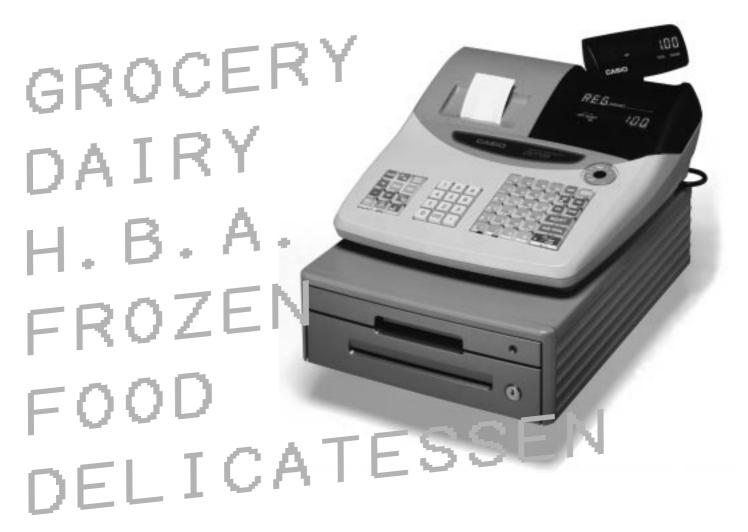
ELECTRONIC CASH REGISTER

CE-T1QQU THANK YOU YOUR RECEIPT YOUR AGAIN!



CI

USER'S MANUAL

CASIO

Safety Precautions

• To use this product safely and correctly, read this manual thoroughly and operate as instructed.

After reading this guide, keep it close at hand for easy reference.

Please keep all informations for future reference.

• Always observe the warnings and cautions indicated on the product.

About the icons

In this guide various icons are used to highlight safe operation of this product and to prevent injury to the operator and other personnel and also to prevent damage to property and this product. The icons and definitions are given below.



Indicates that there is a risk of severe injury or death if used incorrectly.



Indicates that injury or damage may result if used incorrectly.

Icon examples

To bring attention to risks and possible damage, the following types of icons are used.



The \triangle symbol indicates that it includes some symbol for attracting attention (including warning). In this triangle the actual type of precautions to be taken (electric shock, in this case) is indicated.



The \otimes symbol indicates a prohibited action. In this symbol the actual type of prohibited actions (disassembly, in this case) will be indicated.



The symbol indicates a restriction. In this symbol the type of actual restriction (removal of the power plug from an outlet, in this case) is indicated.

🗥 Warning!

Handling the register



Should the register malfunction, start to emit smoke or a strange odor, or otherwise behave abnormally, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of fire and electric shock.

• Contact CASIO service representative.



Do not place containers of liquids near the register and do not allow any foreign matter to get into it. Should water or other foreign matter get into the register, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.

• Contact CASIO service representative.



Should you drop the register and damage it, immediately shut down the power and unplug the AC plug from the power outlet. Continued use creates the danger of shorting, fire and electric shock.

 Attempting to repair the register yourself is extremely dangerous. Contact CASIO service representative.

riangle Warning!



Never try to take the register apart or modify it in any way. High-voltage components inside the register create the danger of fire and electric shock.

• Contact CASIO service representative for all repair and maintenance.

Power plug and AC outlet



Use only a proper AC electric outlet (100V~240V). Use of an outlet with a different voltage from the rating creates the danger of malfunction, fire, and electric shock. Overloading an electric outlet creates the danger of overheating and fire.



Make sure the power plug is inserted as far as it will go. Loose plugs create the danger of electric shock, overheating, and fire.

• Do not use the register if the plug is damaged. Never connect to a power outlet that is loose.



Use a dry cloth to periodically wipe off any dust built up on the prongs of the plug. Humidity can cause poor insulation and create the danger of electric shock and fire if dust stays on the prongs.



Do not allow the power cord or plug to become damaged, and never try to modify them in any way. Continued use of a damaged power cord can cause deterioration of the insulation, exposure of internal wiring, and shorting, which creates the danger of electric shock and fire.

• Contact CASIO service representative whenever the power cord or plug requires repair or maintenance.

✓!\ Caution!



Do not place the register on an unstable or uneven surface. Doing so can cause the register — especially when the drawer is open — to fall, creating the danger of malfunction, fire, and electric shock.

Do not place the register in the following areas.



- Areas where the register will be subject to large amounts of humidity or dust, or directly exposed to hot or cold air.
- Areas exposed to direct sunlight, in a close motor vehicle, or any other area subject to very high temperatures.

The above conditions can cause malfunction, which creates the danger of fire.



Do not overlay bend the power cord, do not allow it to be caught between desks or other furniture, and never place heavy objects on top of the power cord. Doing so can cause shorting or breaking of the power cord, creating the danger of fire and electric shock.



Be sure to grasp the plug when unplugging the power cord from the wall outlet. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.



Never touch the plug while your hands are wet. Doing so creates the danger of electric shock. Pulling on the cord can damage it, break the wiring, or cause short, creating the danger of fire and electric shock.

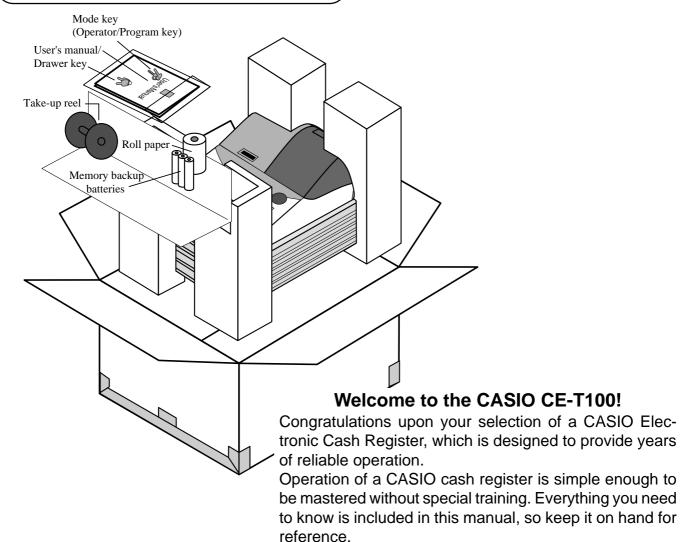
Never touch the printer head and the platen.

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Unpacking the register



Consult your CASIO dealer if you have any questions about points not specifically covered in this manual.

GUIDELINES LAID DOWN BY FCC RULES FOR USE OF THE UNIT IN THE U.S.A. (Not applicable to other areas)

FCC WARNING: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

WARNING: Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

The main plug on this equipment must be used to disconnect main power. Please ensure that the socket outlet is installed near the equipment and shall be easily accessible.

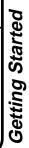
Please keep all information for future reference.

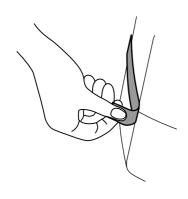
This section outlines how to unpack the cash register and get it ready to operate. You should read this part of the manual even if you have used a cash register before. The following is the basic set up procedure, along

with page references where you should look for more details.

Remove the cash register from its box.

Make sure that all of the parts and accessories are included.





Remove the tape holding parts of the cash register in place.

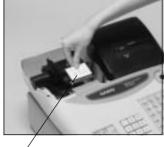
> Also remove the small plastic bag taped to the printer cover. Inside you will find the mode keys.

Install the three memory backup batteries.



printer cover

1. Remove the printer cover and open the platen arm.



platen arm



2. Remove the battery compartment cover. Slide the cover and pull it up.

-battery compartment cover

Install the three memory backup batteries. (continued...)





3. Note the (+) and (–) markings in the battery compartment. Load a set of three new SUM-3 (UM-3) batteries so that their positive (+) and negative (–) ends are facing as indicated by the markings.







4. Replace the battery compartment cover.

5. Close the platen arm and replace the printer cover.

Important!

These batteries protect information stored in your cash register's memory when there is a power failure or when you unplug the cash register. Be sure to install these batteries.

Precaution!

Incorrectly using batteries can cause them to burst or leak, possibly damaging the interior of the cash register. Note the following.

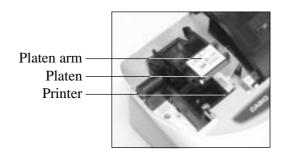
- Be sure that the positive (+) and negative (-) ends of the batteries are facing as marked in the battery compartment when you load them into the unit.
- Never mix batteries of different types.
- Never mix old batteries with new ones.
- Never leave dead batteries in the battery compartment.
- Remove the batteries if you do not plan to use the cash register for long periods.
- Replace the batteries at least once every two years, no matter how much the cash register is used during the period.

WARNING!

- Never try to recharge the batteries supplied with the unit.
- Do not expose batteries to direct heat, let them become shorted or try to take them apart.

Keep batteries out of the reach of small children. If your child should swallow a battery, consult a physician immediately.





Important!

Take away the head protection sheet from the printer and close the platen arm.

Caution! (in handling the thermal paper)

- Never touch the printer head and the platen.
- Unpack the thermal paper just before your use.
- Avoid heat/direct sunlight.
- Avoid dusty and humid places for storage.
- Do not scratch the paper.
- Do not keep the printed paper under the following circumstances:
 High humidity and temperature/direct sunlight/contact with glue, thinner or a rubber eraser.

To install receipt paper



Step 1
Remove the printer cover.



Step 4Put the leading end of the paper over the printer.



Step 2
Open the platen arm.



Step 5
Close the platen arm slowly until it locks steadily.



Step 3
Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.



Complete

Replace the printer cover, passing the leading end of the paper through the cutter slot. Tear off the excess paper.

To install journal paper



Step 1 Remove the printer cover.



Step 2 Open the platen arm.



Step 7 Slide the leading end of the paper into the groove on the spindle of the takeup reel and wind it onto the reel two or three turns.



Step 3 Ensuring the paper is being fed from the bottom of the roll, lower the roll into the space behind the printer.



Step 8 Replace the paper guide of the take-up reel.



Step 4 Put the leading end of the paper over the printer.



Step 9 Place the take-up reel into place behind the printer, above the roll paper.



Step 5 Close the platen arm slowly until it locks steadily.



Step 10 Press the [FEED] key to take up any slack in the paper.



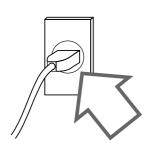
During machine installation, press the FEED key after power on.



Step 6 Remove the paper guide of the take-up reel.



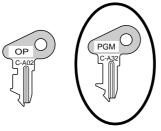
Complete Replace the printer cover.

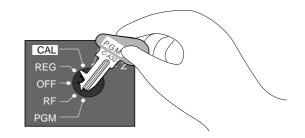


Plug the cash register into a wall outlet.

Be sure to check the sticker (rating plate) on the side of the cash register to make sure that its voltage matches that of the power supply in your area.

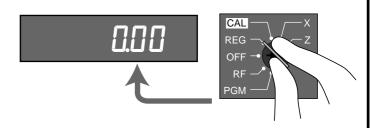
Insert the mode key marked "PGM" into the mode switch.



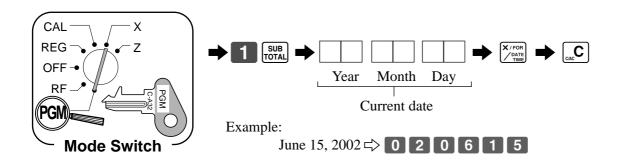


Turn the mode key to the "REG" position.

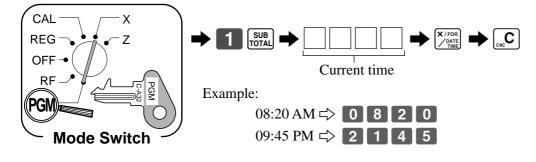
The display should change to the following.



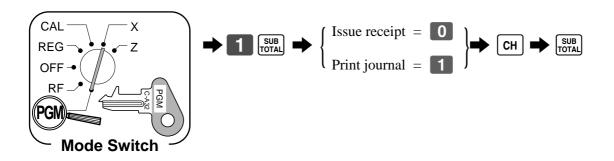
Set the date.



Set the time.



Select printouts receipt or journal.



Note!

If you need journal and are sometimes required receipts by customers, select "issue receipt". After business hours, issue the electronic journal report.

Tax table programming

Programming automatic tax calculation

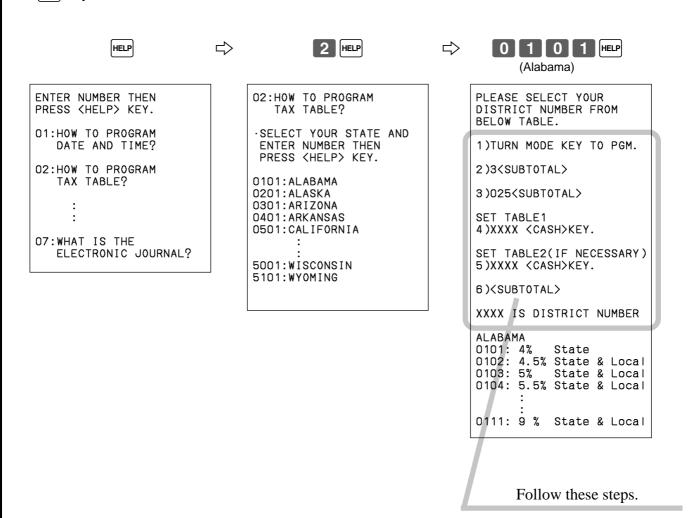
Important!

After you program the tax calculations, you also have to individually specify which departments (page 27) and PLUs (page 29) are to be taxed.

For this cash register to be able to automatically register state sales tax, you must program its tax tables with tax calculation data from the tax table for your state. There are three tax tables (U. S.) and four tax tables (Canada) that you can program for automatic calculation of three/four separate sales taxes.

Programming for the U.S. tax tables procedure

The procedure to setup the tax table is printed on the guidance receipt. First issue the guidance receitpt by the |HELP| key and follow it to set the tax table.



Tax table programming (continued)

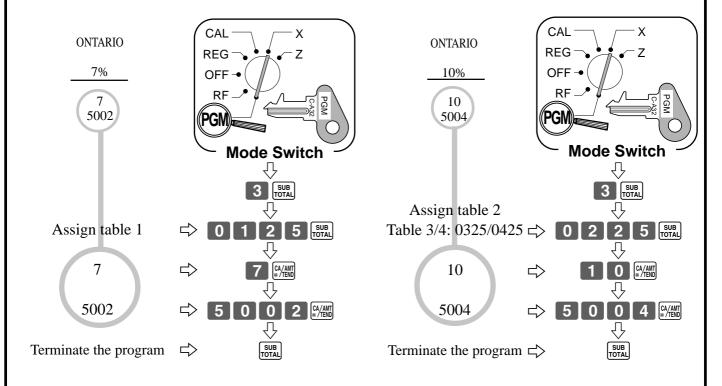
Programming for Canadian tax tables procedure

State sales tax calculation data tables for all of the states that make up all Canadian provinces are included on this page. This data is current as of October 30, 1994. Simply find your province in the tax tables and input the data shown in its table.

Programming tax table

Example 1: Federal tax 7% (Add-on/round-off)

Example 2: Ontario 10 % (Tax-on-tax/Round-off)



• 4 tax tables are used for the following purpose

Table 1: Used for the federal taxable items.

Table 2: Used for the provincial taxable items.

Table 3/4: Used for the provincial taxable items for different tax table.

CANADIAN TAX TABLES

* Must be programmed into Tax table 2 ~ 4.

1	*	*	*	*	*	*			*	
	NOVA SCOTIA	ONTARIO	QUEBEC	NEW FOUNDLAND	ONTARIO	BRITISH COLUMBIA	MANITOBA/ SASKATCHEWAN	ONTARIO	N.B. & P.E.I	QUEBEC
	10%	10%	10%	12%	12%	6%	6%	7%	8%	9%
	10 5004	10 5004	10 5004	12 5004	0 1 4 25 25 25 25 29 37 45 54	0 1 2 14 24 41 58 74	6 5002	7 5002	0 1 3 25 25 25 31 43 56	9 9002

Important!

Be sure you use the federal sales tax data with your provincial sales tax data. Even if your province use the same tax rate as another province, inputting the wrong data will result incorrect tax calculations.

General guide

This part of the manual introduces you to the cash register and provides a general explanation of its various parts.



Roll paper

You can use the roll paper to print receipts and a journal (page $9 \sim 10$).

Receipt On/Off key

When you are using the printer for receipt printer, you can use this key (in the REG and RF modes only) to turn the printer on and off. If a customer asks for a receipt while receipt printing is turned off by this key, you can issue a post-finalization receipt (page 45).

Mode key

There are two types of mode keys: the program key (marked "PGM") and the operator key (marked "OP"). The program key can be used to set the mode switch to any position, while the operator key can select the **REG, CAL** and **OFF** position.

Drawer

The drawer opens automatically whenever you finalize a registration and whenever you issue a read or reset report. The drawer will not open if it is locked with the drawer key.

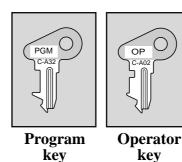
Drawer lock

Use the drawer key to lock and unlock the drawer.

Multipurpose tray

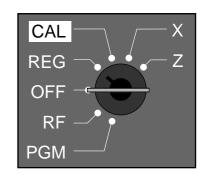
This tray can always be opened if the locking knob is in the unlock position.

Use the locking knob to lock and unlock this tray.



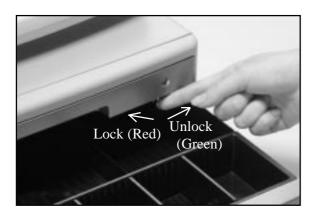
Mode switch

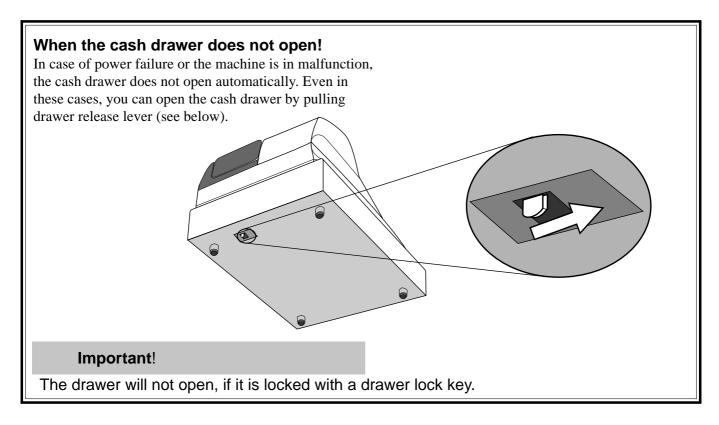
Use the mode keys to change the position of the mode switch and select the mode you want to use.



Mode Switch	Mode Name	Description	
Z	RESET Reads sales data in memory and clears the data.		
X	READ	Reads sales data in memory without clearing the data.	
CAL	CALCULATOR	Use this mode for calculator.	
REG	REGISTER	Use this mode for normal registration.	
OFF	STAND-BY	Cash register standing by.	
RF	REFUND	Use this mode to register refund transaction.	
PGM	PROGRAM	Use this mode for cash register programming.	

Lock/unlock the multipurpose tray





Displays

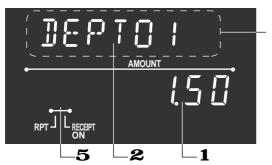
Main Display

(alphanumeric + numeric display)

Pop-up (customer) display

(numeric display)

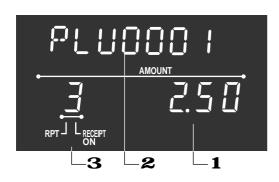
Item registration (by department/PLU)



alphanumeric display

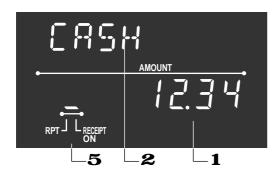


Repeat registration





Totalize operation





1 Amount/Quantity

This part of the display shows monetary amounts. It also can be used to show the current time. (The current date is shown in the alphanumeric display.)

2 Item/Key descriptor

When you register an item or key, the item/key descriptor appears here.

Mode descriptor is also displayed here.

3 Number of repeats

Anytime you perform a repeat registration (page 26, 30), the number of repeats appears here.

Note that only one digit is displayed for the number of repeats. This means that a "5" could mean 5, 15 or even 25 repeats.

4 Total/Change indicators

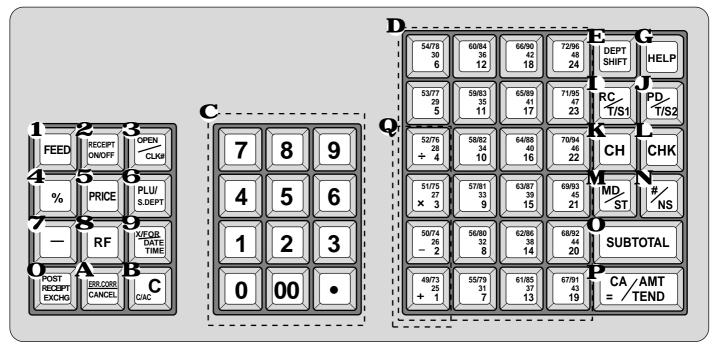
When the TOTAL indicator is lit, the displayed value is monetary total or subtotal amount.

When the CHANGE indicator is lit, the displayed value is the change due.

5 Receipt on/off indicators

When the register is in "issuing receipt" mode, under-bar sign is lit on this digit. (REG/RF mode, during standing-by only)

Keyboard



for the U.S.

Register Mode

1 Paper feed key [FEED] Hold this key down to feed paper from the printer.

2 Receipt on/off key RECEIPT ON/OFF

Use this key twice to change the status "receipt issue" or "no receipt." This key is only effective when the "use printer for receipt printer" in the printer control program is selected. In case of "receipt issue", the "RECEIPT ON" indicator is lit.

3 Open/Clerk number key

It is necessary to select one of these functions (page 47). Open key: Use this key to temporarily release a limitation on the number of digits that can be input for a unit price. Clerk number key: Use this key to sign clerk on and off the register.

4 Percent key | %

Use this key to register premiums or discounts.

5 Price key PRICE

Use this key to register unit prices for subdepartment.

6 PLU/Subdepartment key S.DEPT

Use this key to input PLU (subdepartment) numbers.

7 Minus key | -

Use this key to input values for subtraction.

8 Refund key | RF

Use this key to input refund amounts and void certain entries.

9 Multiplication/For/Date/Time key | YAFOR PORTING | YAFOR P



Use this key to input a quantity for a multiplication and registration of split sales of packaged items. Between transactions, this key displays the current time and date.

O Post receipt/Currency exchange key



Post receipt key: Use this key to produce a post-finalization receipt (page 45).

Currency Exchange key: Use this key for calculating subtotal amounts or paying amount due in foreign currency (page 67).

A Error correct/Cancel key CANCEL

Use this key to correct registration errors and to cancel registration of entire transactions.

B Clear key C

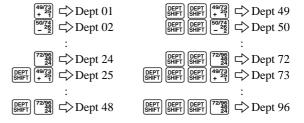
Use this key to clear an entry that has not yet been registered.

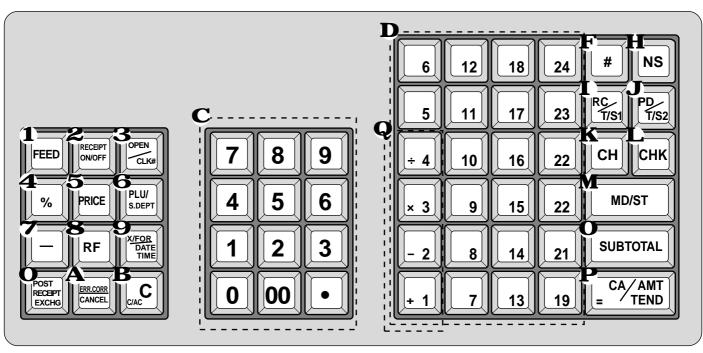
C Ten key pad $[0, 1, \sim 9, 00]$ Use these keys to input numbers.

D Department keys $\begin{bmatrix} 49/73 \\ + 25 \end{bmatrix}$, $\sim \begin{bmatrix} 72/96 \\ 24 \\ 44 \end{bmatrix}$ (+ 1), $\sim \begin{bmatrix} 24 \\ 1 \end{bmatrix}$) Use these keys to register items to departments.

E Department shift key SHIFT

Use this key to shift the department key number from 1 through 24 to 25 through 48, 49 to 72, 73 to 96.





for Canada

F Non-add key

Use this key to print reference number (to identify a personal check, credit card, etc.) during a transaction, use this key after some numerical entries.

G Help key HELP

Use this key to look up the procedures to set date/time, tax table etc.

H No sale key NS

Use this key to open the drawer without registering anything.

I Received on account/Tax shift 1 key Tryst

Received on account key: Use this key following a numeric entry to register money received for non-sale transactions.

Tax shift 1 key: Use this key without a numeric entry to change the Taxable 1 status of the next item.

J Paid out/Tax shift 2 key PD/T/S2

Paid out key: Use this key following a numeric entry to register money paid out from the drawer.

Tax shift 2 key: Use this key without a numeric entry to change the Taxable 2 status of the next item.

K Charge key CH

Use this key to register a charge sale.

L Check key CHK

Use this key to register a check tender.

M Merchandise subtotal key MD/ST

Use this key to display and print the current subtotal (excludes add-on tax) amount.

N Non-add/No sale key #/\s

Non-add key: Use this key to print reference number (to identify a personal check, credit card, etc.) during a transaction, use this key after some numerical entries. No sale key: Use this key to open the drawer without registering anything.

O Subtotal key SUB TOTAL

Use this key to display and print the current subtotal (includes add-on tax) amount.

P Cash amount tendered key [A/AMT]

Use this key to register a cash sale.

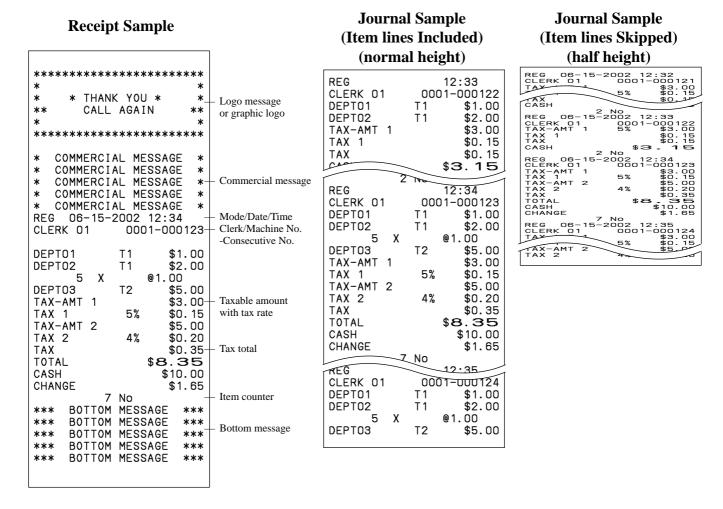
Calculator Mode

- 4 Percent key [%]
- **6** Memory recall key S.DEPT
- **B** Clear/All clear key C
- **C** Ten key pad 0, 1, ~ 9, 00, •
- **H**, **N** Drawer open key [NS], $[\#]_{NS}$
- **P** Equal key ☐ CA/AMT = /TEND
- **Q** Arithmetic operation key $\begin{bmatrix} 49/73 \\ + & 2 \\ \end{bmatrix}$, $\begin{bmatrix} 50/74 \\ & 2 \\ \end{bmatrix}$, $\begin{bmatrix} 51/75 \\ \times & 2 \\ \end{bmatrix}$ and $\begin{bmatrix} 52/76 \\ + & 2 \\ 4 \end{bmatrix}$, $\begin{bmatrix} -2 \\ \end{bmatrix}$, $\begin{bmatrix} \times & 3 \\ \end{bmatrix}$ and $\begin{bmatrix} 4 \\ \end{bmatrix}$

How to read the printouts

- The journal and receipts are records of all transactions and operations.
- The contents printed on receipts and journal are identical, except the date printing line. (The date line is printed on receipts and reports.)
- You can choose the journal skip function (page 46). If the journal skip function is selected, the cash register will print the total amount of each transaction, and the
 - details of premium, discount and reduction operations only, without printing department and PLU item registrations on the journal.
- The following items can be skipped on receipts and journal.

 - Consecutive number
 - Taxable status
 - Taxable amount

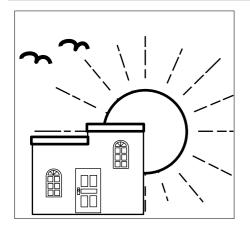


In the operation examples contained in this manual, the print samples are what would be produced if the roll paper is being used for receipts. They are not actual size. Actual receipts are 58 mm wide. Also, all sample receipts and journals are printout images.

How to use your cash register

The following describes the general procedure you should use in order to get the most out of your cash register.

BEFORE business hours...



- Check to make sure that the cash register is plugged in securely.
- Page 11
- Check to make sure there is enough paper left on the roll.
- Page 9, 10
- Read the financial totals to confirm that they are all zero.
- Page 75

Check the date and time.

Page 24

DURING business hours...

- Register transactions.
- Periodically read totals.

Page 25

Page 74



AFTER business hours...

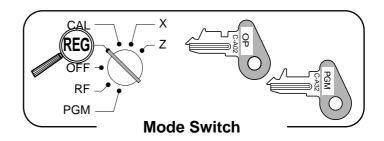


- Issue electronic journal report. (if necessary) Page 77
- Page 43 Reset the daily totals.
- Remove the journal. Page 86
- Empty the cash drawer and leave it open. Page 18
- Take the cash and journal to the office.

Basic Operations and Setups

Displaying the time and date

You can show the time and date on the display of the cash register whenever there is no registration being made.



To display and clear the time and date

OPERATION

DISPLAY





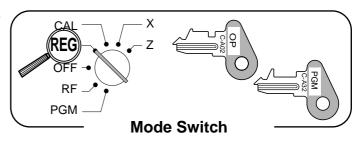




Preparing coins for change

You can use the following procedure to open the drawer without registering an item. This operation must be performed out of a sale.

(You can use the $\frac{RC}{T_{ISI}}$ key instead of the $\frac{H}{N_{S}}$ key. See page 39.)

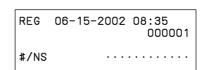


Opening the drawer without a sale

OPERATION



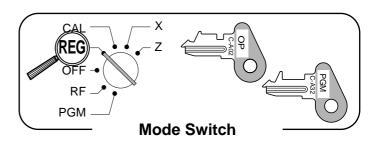




Preparing and using department keys

Registering department keys

The following examples show how you can use the department keys in various types of registrations.



Single item sale

Example 1

OPERATION

RECEIPT

06-15-2002 08:40

T1

	Unit price	\$1.00
Itam	Quantity	1
Item	Dept.	1
	Taxable	(1)
Payment	Cash	\$1.05



+ 1 Department

TAX-AMT 1 TAX 1 CASH

REG

DEPT01

Mode/date/time 000002-Consecutive No. Department \$1.00descriptor/unit price \$1.00+ Taxable amount 1 \$0.05 Tax amount 1 \$1.05 Cash total amount



Example 2

OPERATION

RECEIPT

	Unit price	\$1.00
Item 1	Quantity	1
	Dept.	25
	Unit price	\$2.00
Item 2	Quantity	1
	Dept.	49
	Unit price	\$3.00
Item 3	Quantity	1
	Dept.	73
Payment Cash		\$10.00
	•	•

1 00 DEPT 49/73 + 25 + 1
Designating from department
25 to 48, press SHIFT once

(- ⅔ - shows), 49 to 72, press SHFT twice,

(**- ∃ -** shows), 73 to 96, press SHIFT three times (- \(\) - shows).

REG	06-15-2002	08:40
DEPT: DEPT: DEPT: TOTAL CASH CHAN	49 73 	\$1.00 \$2.00 \$3.00 \$6.00 \$10.00 \$4.00

Example 3

OPERATION

Item	Unit price	\$1.00
	Quantity	1
	Dept.	3
	Tax status	$(1/2)\rightarrow 2$
Payment	Cash	\$1.00

RC/ T/S1	3	00	× 3
Shifting	g taxa	ble de	pt. to
nontaxa	able b	y depr	essing
RC/T/S1, PD	bei	fore nu	ımeric



REG 06-15-2002	08:40 000004	– Tax status symbol
DEPTO3 TAX-AMT 2 TAX 2 CASH	\$3.00 \$3.00 \$0.30 \$3.30	- Taxable amount 2 - Tax amount 2

Basic Operations and Setups

Repeat

OPERATION

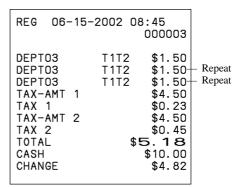
RECEIPT

	Unit price	\$1.50
Item	Quantity	3
l item	Dept.	3
	Taxable	(1/2)
Payment	Cash	\$10.00









Multiplication

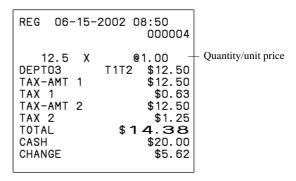
OPERATION

RECEIPT

Item	Unit price	\$1.00
	Quantity	12.5
	Dept.	3
	Taxable	(1/2)
Payment	Cash	\$20.00





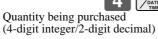


Split sales of packaged items

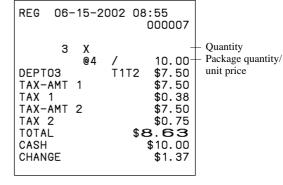
OPERATION

Item	Unit price	\$10.00
	Quantity	3 / 4
	Dept.	3
	Taxable	(1/2)
Payment	Cash	\$20.00





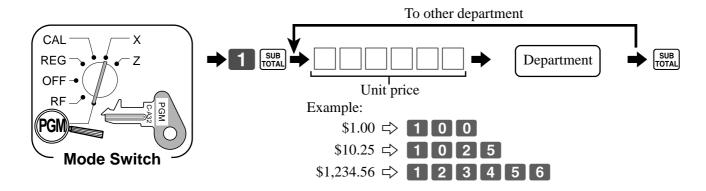






Programming department keys

To program a unit price for each department

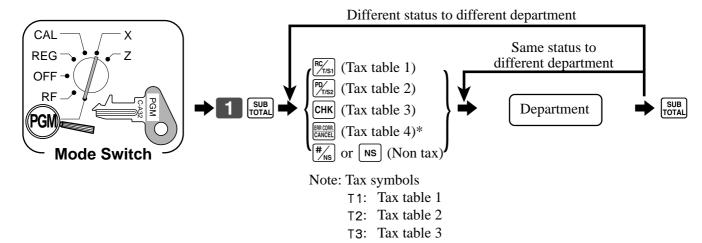


To program the tax calculation status for each department

Tax calculation status

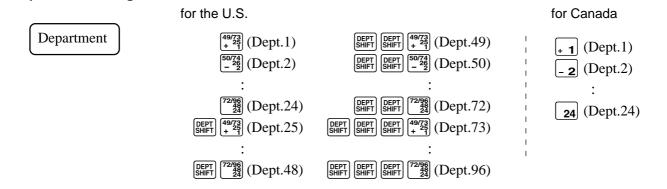
This specification defines which tax table should be used for automatic tax calculation. See page 13 for information on setting up the tax tables.

Programming procedure



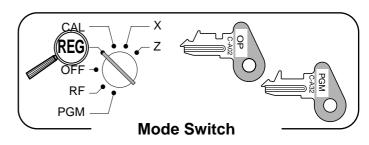
T4: Tax table 4 *(only for the Canadian model) Department $1 \sim 12$ are initialized as Taxable 1 and 2, others are initialized as non-tax.

Department designation



Basic Operations and Setups

Registering department keys by programming data



Preset price

OPERATION

RECEIPT

	Unit price	(\$1.00)
Item	Quantity	1
	Dept.	1
	Taxable	(No)
Payment	Cash	\$1.00



REG	06-15-2002	08:55 000005	
DEPT(CASH	01	\$1.00- \$ 1 . 00	Department descriptor/unit price

000006

\$10.00 \$2.00 \$10.00-

\$7.38

Tax status symbols

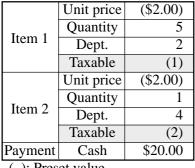
Taxable Amount 1

\$0.50 Tax 1 \$2.00 Taxable Amount 2

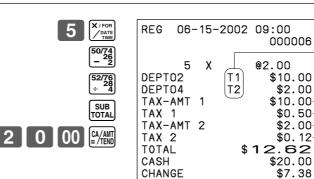
0.12 + Tax 2

Preset tax status (Add-on tax)

OPERATION



(): Preset value



Preparing and using PLUs

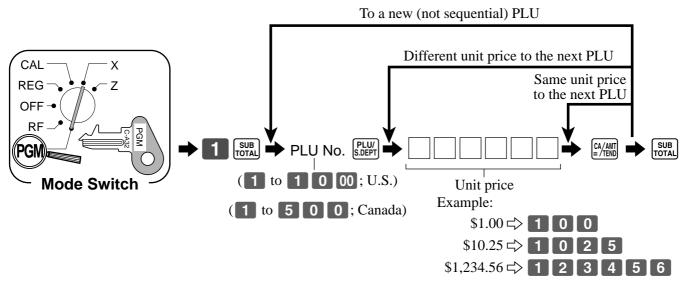
This section describes how to prepare and use PLUs.

CAUTION:

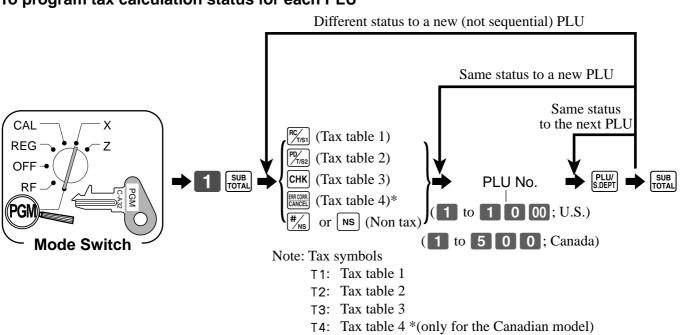
Before you use PLUs, you should first tell the cash register how it should handle the registration.

Programming PLUs

To program a unit price for each PLU



To program tax calculation status for each PLU



All PLUs are initialized as non-tax.

Basic Operations and Setups

Registering PLUs

The following examples show how you can use PLUs in various types of registrations.

Registering by subdepartment, see the "Convenient Operations and Setups" on page 62.

REG **PGM Mode Switch**

PLU single item sale

OPERATION

RECEIPT

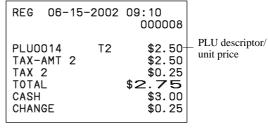
Item	Unit price	(\$2.50)
	Quantity	1
	PLU	14
	Taxable	(2)
Payment	Cash	\$3.00

(): Preset value









PLU repeat

OPERATION

RECEIPT

Unit price	(\$2.50)
Quantity	3
PLU	14
Taxable	(2)
Cash	\$10.00
	Quantity PLU Taxable

(): Preset value









REG 06-	-15-2002	09:15 000009
PLU0014 PLU0014 PLU0014 TAX-AMT TAX 2 TOTAL CASH CHANGE	T2 T2 T2 2	\$2.50 \$2.50 \$2.50 \$7.50 \$0,75 \$8.25 \$10.00 \$1.75

PLU multiplication

OPERATION

RECEIPT

Item	Unit price	(\$1.20)		
	Quantity	15		
	PLU	2		
	Taxable	(2)		
Payment Cash		\$20.00		
(). Procet velue				

(): Preset value





REG	06-	-15-	2002	09:20 000010
PLUOC TAX-A TAX 2 TOTAL CASH CHANG	002 AMT 2	X 2	T2 \$	@1.20 \$18.00 \$18.00 \$1.80 1 9.80 \$20.00 \$0.20

PLU split sales of packaged item

OPERATION

RECEIPT

Unit price	(\$20.00)
Quantity	3 / 5
PLU	28
Taxable	(2)
Cash	\$15.00
	Quantity PLU Taxable

(): Preset value

Quantity X/FOR DATE TIME
(4-digit integer/2-digit decimal)
5 ×/for DATE TIME
2 8 PLU/ S.DEPT
SUB
1 5 00 CA/AMT

REG	06-	-15-2	2002	09:35 000013
PLUOTAX TOTAL	AMT 2 L	X @5 2	/ T2 \$	20.00 \$12.00 \$12.00 \$1.20 13.20 \$15.00 \$1.80
1				

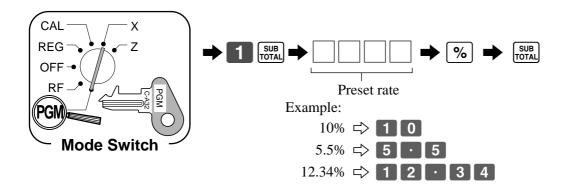
Preparing and using discounts

This section describes how to prepare and register discount.

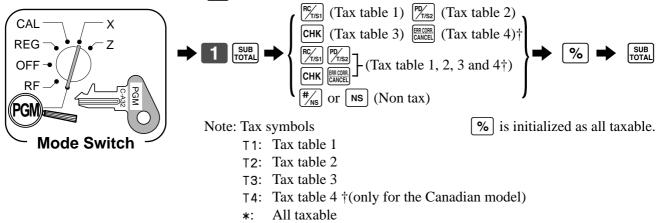
Programming discounts

You can use the [%] key to register discounts (percentage decreases). The more detailed informations about the discount (and premium) are described in the "Registering discounts and premiums" section in the "Convenient Operations and setups" on page 64.

To program a rate to the % key



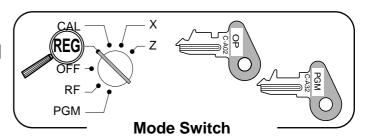
To program tax status to the |%| key



Basic Operations and Setups

Registering discounts

The following example shows how you can use the % key in various types of registration.



Discount for items and subtotals

OPERATION RECEIPT

Item 1	Unit price	\$5.00
	Quantity	1
Item 1	Dept.	2
	Taxable	(1)
	Unit price	(\$10.00)
Item 2	Quantity	1
	PLU	16
	Taxable	(2)
Discount	Rate	(5%)
Subtotal	Rate	3.5%
Discount	Taxable	(All)
Payment	Cash	\$16.00
(): Pres	et value	

1 6	PLU/ S.DEPT
	%
A 1' (1 (1')	
Applies the preset disco	unt
rate to the last item regis	stered
	(MD/
	WD/
	∠ ST
	\equiv
3 • 5	%
TP1 ' (1 (1	,
The input value takes pr	iority
of the preset value.	•
	SUB
	TOTAL
	\equiv

REG 06-	-15-2002	10:30 000013
DEPT02 PLU0016 5%	T1 T2	\$5.00 \$10.00
% ST 3.5%	Т2	-0.50 \$14.50
% TAX-AMT TAX 1	1 *	-0.51 \$4.82 \$0.24
TAX-AMT TAX 2 TOTAL		\$9.17 \$0.92 15.15
CASH CHANGE		\$16.00 \$0.85

You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the % key

- Whenever you perform a discount operation on the last item registered, the tax calculation for discount amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the % key.

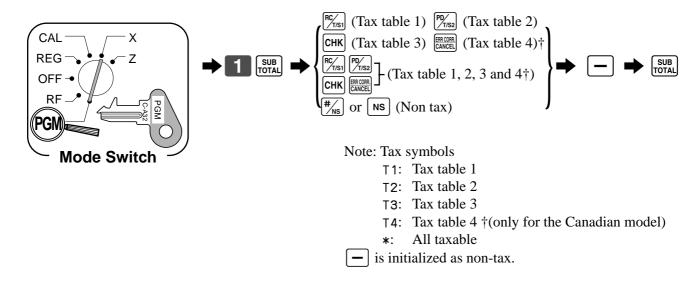
Preparing and using reductions

This section describes how to prepare and register reductions.

Programming for reductions

You can use the - key to reduce single item or subtotal amounts. The following procedure lets you program the tax calculation method for the — key.

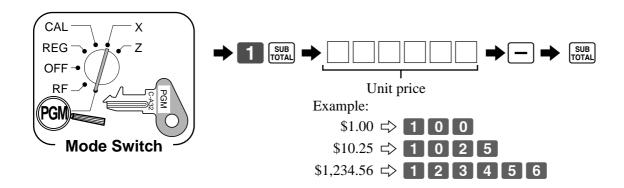
To program tax calculation status



Taxable status of the [-] key

The tax calculation for the reduction amount is performed in accordance with the tax status programmed for the - key, regardless of whether the reduction is performed on the last item registered or a subtotal amount.

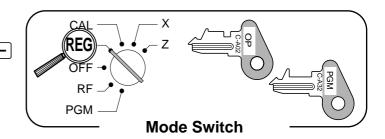
To program preset reduction amount



Basic Operations and Setups

Registering reductions

The following examples show how you can use the key in various types of registration.



Reduction for items

OPERATION RECEIPT Unit price \$5.00 REG 06-15-2002 10:35 000014 Quantity Item 1 2 Dept. DEPT02 T1 \$5.00 Reduces the last amount Taxable (1)-0.25registered by the value input. PLU0045 T 1 \$6.00 Reduction Amount \$0.25 -0.50Unit price (\$6.00)TAX-AMT 1 \$11.00 TAX 1 \$0.55 Quantity TOTAL 10.80 Item 2 **PLU** 45 CASH \$15.00 SUB TOTAL CHANGE \$4.20 Taxable (1)Reduction Amount (\$0.50)100 Payment Cash \$15.00 (): Preset value

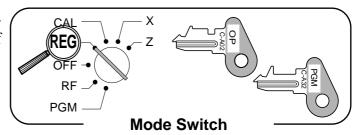
- You can manually input reduction values up to 7 digits long.
- The amount you input for the reduction is neither subtracted from the department nor PLU totalizer.

Reduction for subtotal

OPERATION RECEIPT Unit price \$3.00 06-15-2002 10:40 REG Quantity 1 000015 Item 1 Dept. 2 DEPT02 \$3.00 Taxable (1)DEPT04 \$4.00 SUB TOTAL -0.75Unit price \$4.00 TAX-AMT 1 \$3.00 Quantity TAX 1 \$0.15 Item 2 TAX-AMT 2 \$3.00 Dept. 4 Reduces the subtotal by the \$0.30 TAX 2 value input here. Taxable $\overline{(2)}$ TOTAL \$6.80 SUB CASH \$7.00 Amount \$0.75 Subtotal CHANGE \$0.20 Reduction Taxable (No) Payment Cash \$7.00 (): Preset value

Calculating the merchandise subtotal

Use the operation shown below to calculate the merchandise subtotal, which includes the actual cost of the merchandise only without the add-on tax.

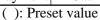


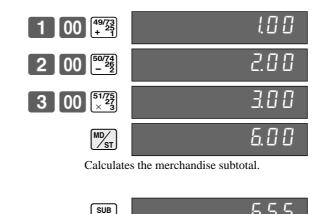
Calculation merchandise subtotal

OPERATION

DISPLAY

	Unit price	\$1.00
Item 1	Quantity	1
	Dept.	1
	Taxable	(No)
	Unit price	\$2.00
Item 2	Quantity	1
	Dept.	2
	Taxable	(1)
	Unit price	\$3.00
Item 3	Quantity	1
Item 3	Dept.	3
	Taxable	(1/2)
Payment	Cash	\$10.00





Calculates the subtotal (with add-on tax).









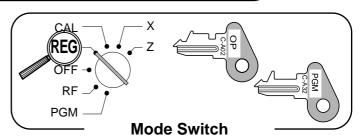
RECEIPT

REG	06-15-	-2002 10	0:45 000016
TAX	02 03 AMT 1 1 AMT 2 2	T1 T1T2	\$1.00 \$2.00 \$3.00 \$5.00 \$0.25 \$3.00 \$0.55 \$10.00 \$3.45

For a partial tender operation, you should press the TOTAL key instead of the Key.

Registering charge and check payments

The following examples show how to register charges and payments by check.



Check

OPERATION

RECEIPT

	Unit price	\$10.00
Item	Quantity	1
Item	Dept.	2
	Taxable	(1)
Payment	Check	\$20.00

(): Preset value

1	0	00	- 2
			CIIB



REG 06	-15-2002	10:50 000018
DEPTO2 TAX-AM TAX 1 TOTAL CHECK CHANGE		\$10.00 \$10.00 \$0.50 10.50 \$20.00 \$9.50

Charge

OPERATION

RECEIPT

Item	Unit price	\$15.00
	Quantity	1
Item	Dept.	4
	Taxable	(2)
Reference	Number	0123
Payment	Charge	\$16.50
	-	

(): Preset value



* In Canada, you can use # instead of #_\(\mathbb{F}_\)s.

REG 06-15	-2002	10:55 000019	
DEPTO4 #/NS TAX-AMT 2 TAX 2 CHARGE	T2 \$ ²	\$15.00 0123- \$15.00 \$1.50 16.50	- Reference No.

Mixed tender (cash, charge and check)

OPERATION

RECEIPT

Trans	Unit price	\$55.00
	Quantity	1
Item	Dept.	4
	Taxable	(2)
	Check	\$30.00
Payment	Cash	\$5.00
	Charge	\$25.50

(): Preset value

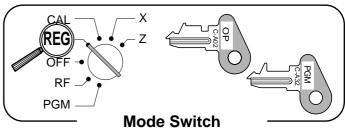


3 0 00 CHK
5 00 CA/ANT
CH

REG 06-15-2002 11:	000020
TAX-AMT 2 STAX 2 TAX 2 TOTAL SGC CHECK CASH	\$55.00 \$55.00 \$5.50 \$5.50 \$30.00 \$5.00 \$5.50

Registering returned goods in the REG mode

The following example shows how to use the ${\color{red}{\sf RF}}$ key in the REG mode to register goods returned by customers.



OPERATION

RECEIPT

	Unit price	\$2.35		
Item 1	Quantity	1		
Item 1	Dept.	2		
	Taxable	(1)		
	Unit price	\$2.00		
Item 2	Quantity	1		
nem 2	Dept.	4		
	Taxable	(2)		
	Unit price	(\$1.20)		
Item 3	Quantity	1		
Helli 3	PLU	1		
	Taxable	(2)		
	Unit price	\$2.35		
Item 1	Quantity	1		
Returned	Dept.	2		
	Taxable	(1)		
	Unit price	(\$1.20)		
Item 3	Quantity	1		
Returned	PLU	1		
	Taxable	(2)		
Payment	Cash	\$2.20		
(): Preset value				

Payment	Cash	\$2.20
	Taxable	(2)
Returned	PLU	1
Item 3	Quantity	1
	Unit price	(\$1.20)
	Taxable	(1)
Returned	Dept.	2
Item 1	Quantity	1
	Unit price	\$2.35
	Taxable	(2)
Item 3	PLU	1
T 2	Quantity	1
	Unit price	(\$1.20)
	Taxable	(2)
Item 2	Dept.	4
I4 2	Quantity	1
	Unit price	\$2.00
	Taxable	(1)
Item 1	Dept.	2
Itam 1	Quantity	1
	Cint price	Ψ2.33

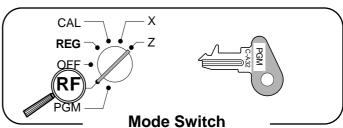
2 3 5 - 2	REG 06-1	5-2002	11:05 000021
2 00 4	DEPT02	T1	\$2.35
1 S.DEPT	DEPT04 PLU0001	T2 T2	\$2.00 \$1.20
RF	REFUND DEPT02	T1	-2.35
2 3 5 - 2	REFUND PLU0001	T2	-1.20
Pressing RF specifies that the next item registered is a return.	TAX-AMT 2		\$2.00 \$0.20
next item registered is a return.	l CASH		\$2.20

You have to press RF before registering each returned item.

RF

Registering returned goods in the RF mode

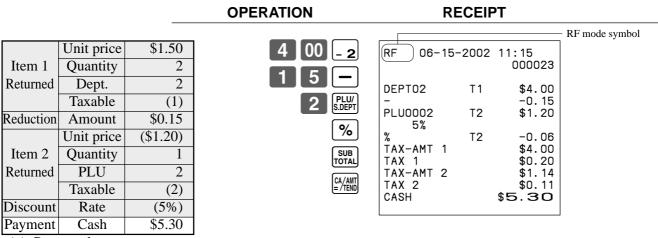
The following examples show how to use the RF mode to register goods returned by customers.



Normal refund transaction

OPERATION RECEIPT RF mode symbol Unit price \$1.50 RF 06-15-2002 11:10 Item 1 Quantity - 2 Returned Dept. 2 DEPT02 \$1.50 DEPT02 T1 Taxable (1) \$1.50 @1.20 Unit price (\$1.20)PLU0002 T2 PLU/ S.DEPT Item 2 Quantity 6 TAX-AMT 1 TAX 1 \$0.15 **PLU** Returned 2 TAX-AMT 2 Taxable (2) TAX 2 \$0.72 CASH \$11.07 Cash \$11.07 Payment (): Preset value

Reduction of amounts paid on refund



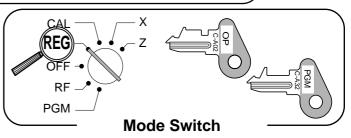
(): Preset value

Important!

To avoid miss registrations in the RF mode, return the mode switch to the former position immediately.

Registering money received on account

The following example shows how to register money received on account. This registration must be performed out of a sale.



OPERATION

RECEIPT

Received amount \$700.00

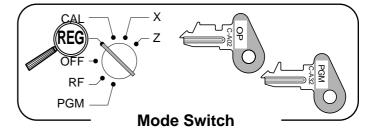


Amount can be up to 8 digits.

REG 06-15-2002 11:20 000024 RC/TS1 \$700.00

Registering money paid out

The following example shows how to register money paid out from the register. This registration must be performed out of a sale.



OPERATION

RECEIPT

Paid out amount \$1.50



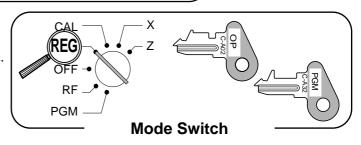
Amount can be up to 8 digits.

REG	06-15-2002	11:30 000025
PD/TS	32	\$1.50

Making corrections in a registration

There are three techniques you can use to make corrections in a registration.

- To correct an item that you input but not yet registered.
- To correct the last item you input and registered.
- To cancel all items in a transaction.



To correct an item you input but not yet registered

OPERATION RECEIPT 2 00 REG 06-15-2002 11:35 000026 DEPT02 \$1.00 Correction of unit price @2.00 PLU0003 \$1.30 PLU0015 TAX-AMT 1 TAX 1 TAX-AMT 2 Correction of quantity TAX 2 7. **12** \$15.00 TOTAL CASH CHARGE \$22.12 Correction of PLU No. 6 00 C Correction of subdepartment unit price (See page 62 for registering.) Enter subdepartment No. again. SUB C Correction of partial tender amount

To correct the last item you input and registered

OPERATION RECEIPT

1 00 <u>- 2</u> 2 00 _{+ 4}	REG 06-15-2002 11:40 000027
÷ 4 Clearance	DEPT02 T1 \$1.00 DEPT04 T2 \$2.00 DEPT04 T2 \$2.00 ERR CORR -2.00 PLU0002 T2 \$1.20
PLU/ S.DEPT — Correction of PLU No. 5 PLU/ S.DEPT —	ERR CORR -1.20 PLU0005 T1 \$1.50 PLU0015 T1 \$6.00 ERR CORR -6.00 PLU0015 T1 \$10.00 8 X @4.00
1 5 PLU/ S.DEPT	DEPT04 T2 \$32.00 ERR CORR -32.00 6 X @4.00
6 00 PRICE ERRCORR CANCEL — Correction of sub-	DEPT04 T2 \$24.00 ST \$38.50 50%
1 5 PLU/ s.DEPT department unit price	% -19.25 ERR CORR * \$19.25 ST \$38.50
1 0 00 PRICE	5%
8 X/FOR CANCEL COrrection of quantity	DEPT04 T2 -2.00 ERR CORR \$2.00 REFUND DEPT04 T2 -2.20 TAX-AMT 1 \$11.87
6 ×/FOR DATE TIME 4 00 ÷ 4	TAX 1 \$0.59 TAX-AMT 2 \$22.50 TAX 2 \$2.25 TOTAL \$37.21 CASH \$30.00
MD/st —	ERR CORR -30.00 CASH \$15.00 CHARGE \$22.21
5 0 % ERR CORR CANCEL MD/ Correction of discount	
5 % —	
RF 2 00 ÷ 4 — Correction of refund item	1
RF 2 2 0 + 4 -	
3 0 00 CA/AMT — Correction of partial tend	ler
1 5 00 CA/AMT CH	

Basic Operations and Setups

To cancel all items in a transaction

OPERATION RECEIPT REG 06-15-2002 11:45 000028 DEPT01 \$1.00 DEPT02 \$2.00 DEPT03 T1T2 \$3.00 DEPT04 T2 \$4.00 CANCEL TTL Pressing ws key is necessary to cancel the transaction.

Important!

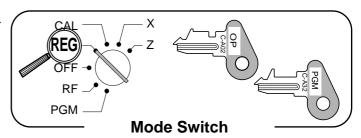
• Note that the number of items included in the transaction to be cancelled is limited (24 ~ 40 items), depending on the complexity of the transaction. If you try to cancel a transaction that exceeds the limit, an error occurs.

In case of occurrence of this error, register these items in the RF mode.

• You can program the cash register that this cancel operation is not allowed.

No sale registration

You can use the following procedure to open the drawer without registering a sale. This operation must be performed out of a sale.



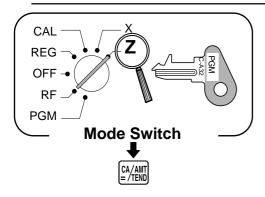
OPERATION	RECEIPT
#/NS (NS : Canada)	REG 06-15-2002 11:50 000029 #/NS

Printing the daily sales reset report

This report shows daily sales totals.

OPERATION

REPORT



DEPT01	Z 06-15-20	02 12:00 000030	Reset mode/date/time Consecutive No.
DEPT01 QT	0000 DAIL	Y Z 0001	
DEPT02 QT \$62.70 DEPT03 QT 31 \$139.10 QT 23 NON-LINK DPT QT 10 Non-link department No. of items \$94.90 GROSS TOTAL QT 253 Gross No. of items \$1146.90 No. of customers \$1217.63 Net sales amount CASH-INDW \$197.17 Charge in drawer amount TAX-AMT 1 \$183.60 Cash in drawer amount CHECK-INDW \$183.60 Tax amount 1 *2 TAX 1 \$43.96 Tax amount 2 *2 TAX 2 \$21.55 Tax amount 2 *2 TAX 2 \$21.55 Tax amount 2 *2 TAX 3 Sales Amount 3 *3 CANCEL TTL No 2 Cancellation count \$108.52 Tax amount 3 *2 CASH No 81 Cash sales amount Check in drawer amount Check in drawer amount Check in drawer amount Charge and amount 1 *2 Tax amount 1 *2 Tax amount 1 *2 Tax amount 2 *2 Tax amount 2 *3 Tax amount 3 *3 Tax 3 Sales Count \$108.52 Tax amount 2 *3 Tax amount 3 *2 Cancellation count Cancellation count Cancellation amount Check sales count \$109. Check sales amount Check sales count Sales amount Check sales count Sales Count Sales Count Subtraction count Discount count Subtraction count Discount amount The fefund key count *3 Tax amount 2 *3 Tax amount 2 *2 Tax amount 3 *3	DEPT01		Department descriptor/No. of items*1
State	DEPT02	QT 19	- Department amount
NON-LINK DPT	DEPT03	QT 31	
\$94. 90 GROSS TOTAL QT 253 \$1146. 90 No. of customers \$1217. 63 \$903. 06 CASH—INDW CHARGE—INDW CHECK—INDW TAX—AMT 1 TAX 1 TAX 2 TAX 2 TAX—AMT 2 TAX—AMT 3 TAX 3 CANCEL TTL No RF—MODE TTL No CASH No 810 810 810 810 810 810 810 81	D		
\$1146.90 Gross sales amount No. of customers Net ales amount CASH-INDW CHARGE-INDW CHECK-INDW TAX-AMT 1 TAX 1 TAX 2 TAX 2 TAX 2 TAX 3 TAX 3 TAX 3 CANCEL TTL No CASH No Sales amount Stable amount 1*2 Taxable amount 1*2 Taxable amount 2*2 Taxable amount 2*2 Taxable amount 2*2 Taxable amount 3*2 Taxable amount 3*2 Taxable amount 3*2 Taxable amount 2*2 Taxable amount 2*2 Taxable amount 2*2 Taxable amount 3*2 Taxa	NON-LINK DPT	_	
NET TOTAL	GROSS TOTAL	QT 253	
\$1217.63— Net sales amount CASH—INDW CHARGE—INDW CHECK—INDW TAX—AMT 1 TAX—AMT 1 TAX—AMT 2 TAX—AMT 2 TAX—AMT 3 TAX—AMT 3 TAX—AMT 3 TAX—BY 2 TAX—BY 3 CANCEL TTL NO RF—MODE TTL NO CASH NO S10	NET TOTAL		
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CHECK - INDW TAX - AMT 1	CASH-INDW	\$903.06	
TAX - AMT 1 TAX 1 TAX - AMT 2 TAX - AMT 2 TAX 2 TAX - AMT 3 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 1 TAX - AMT 1 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX - AMT 2 TAX - AMT 1 TAX amount 1 TAX - AMT 2 TAX - AMT 1 TAX amount 1 TAX - AMT 2 TAX amount 1 TAX amount 2 TAX amount 3 TAX amount 3 TAX amount 3 TAX amount 1 TAX amount 2 TAX amount 3 TAX amount 3 TAX amount 3 TAX amount 2 TAX amount 3 TAX amount 1 TAX amount 2 TAX amount 3 TAX amount 1 TAX			
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\$108. 52— Cancellation amount RF-MODE TTL NO \$3. 74— Refund mode operation count *3 Refund mode operation amount *3 Cash sales count Charge sales count Charge sales amount Check sales amount *3 Check sales amount *3 Subtraction count *3 Subtraction amount *3 Discount amount *4.62 Discount amount *3 Refund key count *3 Refund key amount *3 ERR CORR NO \$12. 79— Refund key amount *3 Error correction count *5 No sale count Received on Account count *7 Paid out amount Paid out amount Paid out amount			
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CHECK	CHARGE		
\$183.60 Check sales amount Subtraction count \$3.00 Subtraction amount Subtraction amount Subtraction amount Subtraction amount Discount count Discount amount Fefund key count *3 \$27.79 Refund key amount *3 ERR CORR No 10 Error correction count \$12.76 Error correction amount \$12.76 Error correction amount No sale count RC/TS1 No \$78.00 Received on Account count \$78.00 Received on Account amount Paid out count Paid out amount Paid out amount			
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ERR CORR No 10— Error correction count \$12.76— Error correction amount \$1.76 - Error correction amount \$1.78 - No sale count \$1.78 - No sale count \$1.78 - No Received on Account count \$1.78 - No Received on Account amount \$1.78 - No Paid out count \$1.78 - Paid out amount \$1.78 - Paid out amount \$1.78 - Paid out amount	REFUND		
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#/NS No 5— No sale count RC/TS1 No 2— Received on Account count \$78.00— Received on Account amount PD/TS2 No 1— Paid out count \$6.80— Paid out amount	EKK CUKK		
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\$78. 00 + Received on Account amount PD/TS2 No 1 + Paid out count \$6. 80 + Paid out amount	RC/TS1		
\$6.80— Paid out amount			
	PD/TS2		
GRND TTL \$0000001217.63 Non-resettable grand-sales total *3		\$6.80°	Faid out amount
στιτο 112 φοσοσοσί217. σσ	GRND TTI \$00	 	Non-resettable grand-sales total *3
	ONNO TIE \$00	00001217.03	grand sales total

Zero totalled departments (the amount and item numbers are both zero) are not printed.

Taxable amount and tax amount are printed only if the corresponding tax table is programmed.

^{*3} These items can be skipped by programming.

This section describes more sophisticated setups and operations that you can use to suit the needs of your retail environment.

Clerk control function

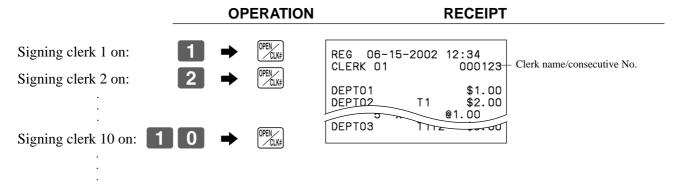
Clerk name printing on receipt/journal, and sales amounts summing by clerk.

Clerk sign on and sign off

Any time you begin any registration, clerk sign on operation is necessary.



Clerk sign on



Clerk sign off



Signing clerk off:

The current clerk is also signed off whenever you set the mode switch to OFF position.

Important!

- The error code "E08" appears on the display whenever you try to perform a registration, a read/ reset operation without signing on.
- The signed on clerk is also identified on the receipt/journal.

Changing OPEN key to CLK-# key

Refer to the "Programming compulsory and clerk control function" section on page 47.

Post-finalization receipt format, General printing control, **Compulsory, Machine features**

About post-finalization receipt

The post-finalization receipt lets you issue a receipt after finalization of the transaction. Note that all of the following conditions must be satisfied.

- The option "print receipts" is selected.
- The receipt issuance status must be OFF.
- The transaction must be finalized in the REG or RF mode using the [CA/ANT], [CH] or [CHK] key.

Post-finalization receipt example

You can program the cash register to print the transaction total only (below Total format) or full details (below Detailed format) on the post-finalization receipt. Note that if the transaction contains more than 45 lines (including receipt header), the cash register prints in a Total format regardless of your programming.

REG

Mode Switch

RECEIPT

Item 1	Unit price	\$10.00		
	Quantity	1		
l Itelli i	Dept.	2		
	Taxable	(1)		
Item 2	Unit price	\$20.00		
	Quantity	1		
	Dept.	4		
	Taxable	(2)		
Payment	Cash	\$32.50		
(). Description				

(): Preset value

1	0	00	- 2
2	0	00	÷ 4
			SUB TOTAL
			<u> </u>

Receipt is not issued.

Post-finalization receipt is issued.

If "Automatic issue" is selected, no need to press [POST | RECEIPT] key.

Total format

REG 06-15-2002 12:35 CLERK 01 000123 CASH \$32.50

Detailed format

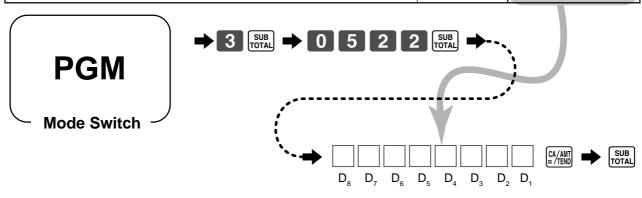
REG 06-	-15-2002	12:35
CLERK 01	I	000123
DEPTO2 DEPTO4 TAX-AMT TAX 1 TAX-AMT TAX 2 TOTAL CASH CHANGE	2	\$10.00 \$20.00 \$10.00 \$0.50 \$20.00 \$2.00 \$2.50 \$32.50 \$0.00

Important!

You can issue only one post-finalization receipt per transaction.

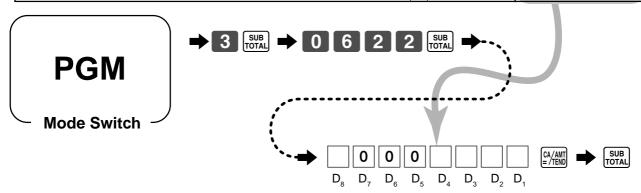
Programming general printing control

Suppress printing of the subtotal line during tender operation.		No = 0 Yes = 1	\square_{D_8}
Print the current time.	a	Yes = 0 No = 1	
Skip the date on journal.	b	Yes = 0 No = 2	$a+b+c = $ D_7
Skip the consecutive number.	С	No = 0 Yes = 4	
Print receipt/Print journal.	a	Receipt = 0 Journal = 1	
Issue post receipt by Finalize key (automatic issue)/ Post receipt key (manual issue)	b	Manual = 0 Automatic = 2	$a+b+c = D_6$
Detail format/Total format in the post receipt	c	Detail = 0 Total = 4	
Print taxable amount.	a	Yes = 0 No = 1	
Print tax symbols.	b	$\begin{array}{c} Yes = 0 \\ No = 2 \end{array}$	$a+b+c = D_5$
Print number of item sold.	c	No = 0 Yes = 4	
Skip item lines on journal. (journal skip)	a	No = 0 Yes = 1	
Print subtotal when the key is pressed.	b	No = 0 Yes = 2	$a+b+c = D_4$
Time system: 1 24 hour system, 2 12 hour system	c	1 = 0 2 = 4	
Digit separator symbol.	a	Comma = 0 Period = 1	
Decimal symbol.	b	Period = 0 Comma = 2	$a+b+c = D_3$
Journal compressed print (print by half height characters)	С	Yes = 0 No = 4	
Print hyphens before finalizing a transaction.	a	No = 0 Yes = 1	a.h
Print tax total on receipt and report.	b	No = 0 Yes = 2	$a+b = \bigsqcup_{D_2}$
Print receipt by double height characters.		No = 0 Yes = 2	\square_{D_1}



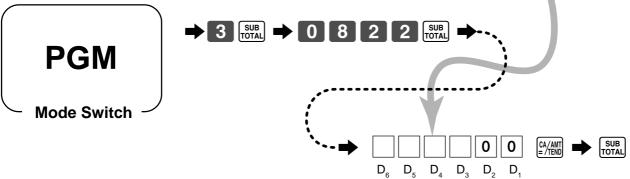
Programming compulsory and clerk control function

Force SUB operation before finalization.	a	No = 0 Yes = 2	0.b = -
Force a money declaration before allowing a daily read/reset and financial read operation.	b	No = 0 Yes = 4	$a+b = \bigsqcup_{B_8} D_8$
Always "000"			
Clear the key buffer when a receipt is issued.	a	No = 0 Yes = 1	0.b =
Perform auto sign-off when a receipt/report is issued.	b	No = 0 Yes = 2	$a+b = \bigsqcup_{D_4}$
Display "seconds" during time display.		No = 0 Yes = 2	$\boxed{ \qquad } D_{3}$
Reset the consecutive number when the daily reset report is issued.	a	Yes = 0 No = 1	0 - h
Prohibit cancel operation.	b	No = 0 Yes = 2	$a+b = \bigsqcup_{D_2}$
Assign 00 as "00" or "000".	a	"00" = 0 "000" = 1	a h = D
Assign OPEN" or "CLK-#".	b	"OPEN" = 0 "CLK-#" = 4	$a+b = \bigsqcup_{1} D_{1}$



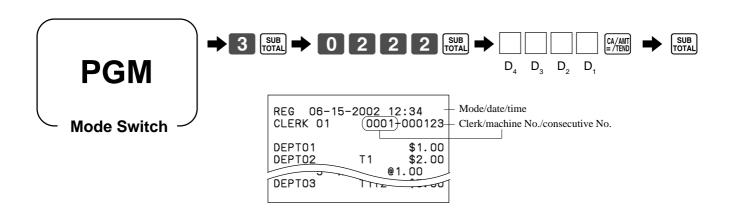
Programming read/reset report printing control

Alert when the electronic journal memory becomes full. Print the first and the last consecutive number of the day (consecutive No. range) on the daily sales reset report. Skip zero total lines on department and transaction read/reset report. Skip zero total lines on PLU read/reset report. b				
Print the first and the last consecutive number of the day (consecutive No. range) on the daily sales reset report. Skip zero total lines on department and transaction read/reset report. Skip zero total lines on PLU read/reset report. Skip zero total lines on hourly sales report. C Yes = 0 No = 1 Skip zero total lines on hourly sales report. C Yes = 0 No = 4 Print the sales ratio on read/reset report. Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. b No = 0 Yes = 1 B No = 0 Yes = 1	Alert when the electronic journal memory becomes full.	a		a.h.
Skip zero total lines on PLU read/reset report. Skip zero total lines on hourly sales report. b Yes = 0 No = 2 Skip zero total lines on hourly sales report. c Yes = 0 No = 4 Print the sales ratio on read/reset report. Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. a No = 0 Yes = 1 a	Print the first and the last consecutive number of the day (consecutive No. range) on the daily sales reset report.	b		$a+b \equiv \bigsqcup D_6$
Skip zero total lines on hourly sales report. Print the sales ratio on read/reset report. Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. b No = 2	Skip zero total lines on department and transaction read/reset report.	a		
Print the sales ratio on read/reset report. Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. b No = 0 Yes = 1 A+b = D_4 $A+b = D_4$	Skip zero total lines on PLU read/reset report.	b		$a+b+c = D_5$
Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. $a Yes = 1$ $b No = 0$ $Yes = 1$ $a+b = D_4$	Skip zero total lines on hourly sales report.	c		
Suppress printing of the non-resettable grand total on the daily reset report. Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report. Print tax rate with tax totalizer. b $N_0 = 0$ $Y_{es} = 1$ b $N_0 = 0$ $Y_{es} = 1$ D ₃	Print the sales ratio on read/reset report.	a		a the C
on the read/reset report. Print tax rate with tax totalizer. $a Yes = 1$ $b No = 0$ $Yes = 2$ $a+b = D_3$		b	No = 0 Yes = 2	$a+b = \square D_4$
Print tax rate with tax totalizer. b $No = 0$ $Yes = 2$	Suppress printing of RF total and count (both RF mode and RF key) on the read/reset report.	a		a the Co
A1 (600)	Print tax rate with tax totalizer.	b	No = 0 Yes = 2	$a+b = \bigsqcup_{3} D_{3}$
Always "00" D ₂ D ₁	Always "00"			lacksquare $lacksquare$ $lacksquare$ $lacksquare$ $lacksquare$ $lacksquare$ $lacksquare$



Setting a store/machine number

You can set a 4-digit machine number to identify your machine. The machine number is printed on receipts/journal for each transaction.



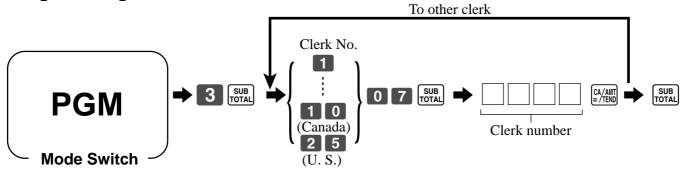
Programming to clerk

You can program up to 4-digit assigning number (clerk number) and trainee status of clerk (i.e. training cashier) for each clerk.

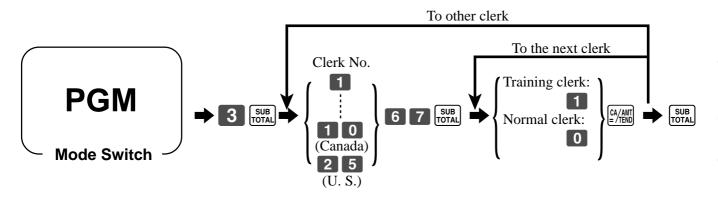
Important!

This program is required only when the key is assigned as "CLK#" by the key program on page 47.

Programming clerk number



Programming trainee status of clerk



When a training clerk signs on, the cash register automatically enters the training mode.

In the training mode, no operations are affected on any totalizers nor counters.

The training mode symbols are printed in the columns of receipt entries produced in the training mode.

The cash register exits the training mode when the training clerk signs off.

Programming descriptors and messages

The following descriptors and messages can be programmed;

- Report descriptor (such as gross total, net total, cash in drawer...)
- Grand total
- Special character (such as mode symbol, taxable symbol...)
- Read/reset report title

• Messages (Logo, commercial and bottom message)

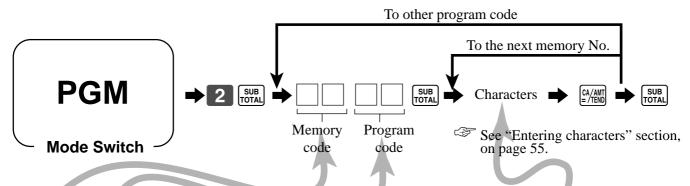
Clerk name

• Function key descriptor

• PLU item descriptor

• Department key descriptor

Programming report descriptor, grand total, special character, report title, receipt message and clerk name



Report descriptor

Memory	Program	Contents	Initial character	Yours
No.	code			
01		Gross total	GROSS TOTAL	
02		Net total	NET TOTAL	
03		Cash in drawer	CASH-INDW	
04		Charge in drawer	CHARGE-INDW	
05		Check in drawer	CHECK-INDW	
06		not used		
07		Foreign currency cash in drawer	CE-CASH 1	
08		Foreign currency check in drawer	CE-CHECK 1	
09		not used		
10		not used		
11		Taxable amount 1	TAX-AMT 1	
12		Tax 1	TAX 1	
13		Taxable amount 2	TAX-AMT 2	
14	01	Tax 2	TAX 2	
15		Taxable amount 3	TAX-AMT 3	
16		Tax 3	TAX 3	
17		Taxable amount 4	TAX-AMT 4	
18		Tax 4	TAX 4	
19		not used		
20		not used		
21		not used		
22		Cancellation total	CANCEL TTL	
23		Refund mode total	RF-MODE TTL	
24		not used		
25		not used		
26		Calculator mode count	CALCULATOR	
27		Non-link department total	NON-LINK DPT	

Grand total, special character

Memory	Program	Contents	Initial character		You	rs		
No.	code	000		-				
01	20	Grand total	GRND TTL		П	Т	Т	П
01		Amount/@/No./Quantity (2 each)	\$ @NoQT		П	T	T	П
02		Item count/Customer (2 each)	NoCT		П		Т	
03		Multiplication/Split pricing (2 each)	X /		П			
04		Taxable status 1 ~ 4 (2 each)	T1T2T3T4		П	Т	Т	П
05		All taxable status	*					
06		Foreign currency symbol (2)	*				T	
07		REG mode/Refund mode (4 each)	REG RF		П	Т	Т	П
08		not used (4)/Program mode (3)	PGM n (n=1~6)		П	T		Т
09		X/Z mode (4 each)	X Z		П	T		П
10		CAL mode (4)	CAL		П			
11		Training mode	****		П			
12		Training symbol	*****		П	\top	Т	П
13	23	Total symbol (Tendering)	TOTAL		П	T	T	П
14		Change symbol	CHANGE		П	T	T	П
15		not used			П	T		П
16		Total symbol (Post receipt)	TOTAL		П	T	T	П
17		Total symbol (% registration)	ST		П	T		П
18		AM, PM (3 each)	AM PM		П	T		
19		Tax total	TAX		П	T	Т	П
20		not used			П	T	T	П
21		not used			П	T		П
22		not used			\Box	\top		П
23		not used			\Box	\top		П
24		not used			\sqcap	十	T	П
25		not used			\sqcap	\top	T	П
26		Total message on report	TOTAL			\perp	I	\Box

Report title

Memory	Program	Contents	Initial character	Yours
No.	code			
01		Daily report title	DAILY	
02		PLU report title	PLU	
03		Hourly sales report title	HOURLY	
04		Group report title	GROUP	
05		Not used	CLERK	
06		Financial report title	FLASH	
07	24	Monthly report title	MONTHLY	
08		Periodic-1 report title	PERIODIC-1	
09		Periodic-2 report title	PERIODIC-2	
10		Individual report title		
11		Not used		
12		Electronic journal report title	E-JOURNAL	

Clerk name

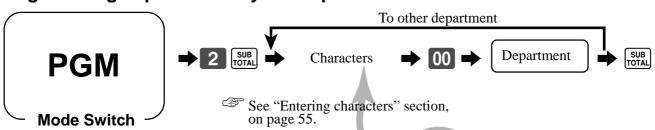
Memory No.	Program code	Contents	Initial character	Yours
01		Clerk 01	CLERK 01	
02		Clerk 02	CLERK 02	
03		Clerk 03	CLERK 03	
04	07	Clerk 04	CLERK 04	
			CLERK 05	

Receipt message

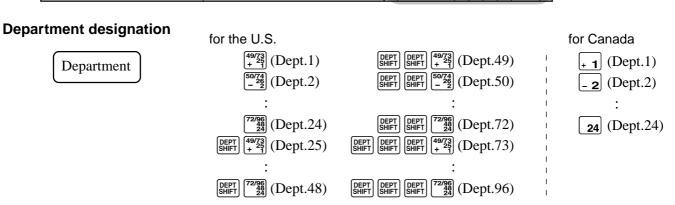
Refer to "Programming receipt message/logo stamp control function" on page 54.

Memory	Program	Contents	Initial character				Yo	ur	s				
No.	code			L	 		 			 			
01		1st line of logo message											Ш
02		2nd line of logo message	YOUR RECEIPT									П	
03		3rd line of logo message	THANK YOU	П		П			П		П	Т	П
04		4th line of logo message	CALL AGAIN									П	П
05		5th line of logo message											П
06		6th line of logo message		П		П			П		П	П	П
07		1st line of commercial message		П		П			П		П	Т	П
08	32	2nd line of commercial message											П
09		3rd line of commercial message		П		П			П		П	П	П
10		4th line of commercial message				П					П	П	П
11		5th line of commercial message		П		П					П	П	П
12		1st line of bottom message		П		П			П		П	П	П
13		2nd line of bottom message		П		П			П		П	Т	П
14		3rd line of bottom message									П	П	П
15		4th line of bottom message		П		П					П	П	П
16		5th line of bottom message											

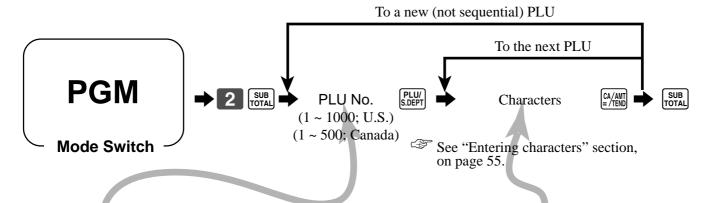
Programming department key descriptor



Contents	Initial character	Yours
Department 01	DEPT01	
Department 02	DEPT02	
Department 03	DEPT03	
Department 04	DEPT04	
Department 05	DEPT05	
Department 06	DEPT06	
Department 07	DEPT07	
Department 08	DEPT08	
Department 09	DEPT09	
Department 10	DEPT10	

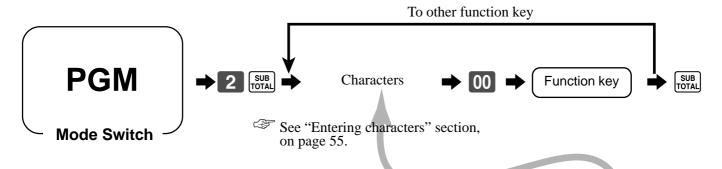


Programming PLU descriptor



PLU No.	Contents	Initial character	Yours
001	PLU001	PLU0001	
002	PLU002	PLU0002	
003	PLU003	PLU0003	
004	PLU004	PLU0004	
005	PLU005	PLU0005	
006	PLU006	PLU0006	
007	PLU007	PLU0007	
008	PLU008	PLU0008	
009	PLU009	PLU0009	
010	PLU010	PLU0010	
011	PLU011	PLU0011	
012	PLU012	PLU0012	
013	PLU013	PLU0013	
014	PLU014	PLU0014	
015	PLU015	PLU0015	
016	PLU016	PLU0016	
017	PLU017	PLU0017	
018	PLU018	PLU0018	
019	PLU019	PLU0019	
020	PLU020	PLU0020	
021	PLU021	PLU0021	
022	PLU022	PLU0022	
023	PLU023	PLU0023	
024	PLU024	PLU0024	
025	PLU025	PLU0025	
026	PLU026	PLU0026	
027	PLU027	PLU0027	
028	PLU028	PLU0028	
029	PLU029	PLU0029	
030	PLU030	PLU0030	
031	PLU031	PLU0031	
032	PLU032	PLU0032	
033	PLU033	PLU0033	
034	PLU034	PLU0034	
035	PLU035	PLU0035	
036	PLU036	PLU0036	
037	PLU037	PLU0037	
038	PLU038	PLU0038	
039	DI 11030	BI 110039	

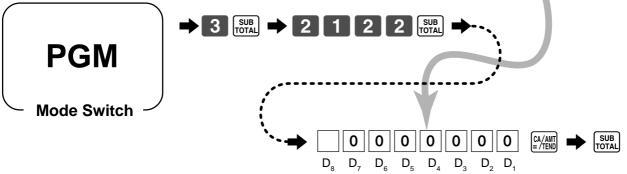
Programming function key descriptor



Contents	Initial character	Yours
Cash/amount tendered	CASH	
Charge	CHARGE	
Check	CHECK	
Received on account/Tax shift 1	RC/TS1	
Paid out/Tax shift 2	PD/TS2	
Minus	_	
Discount	%	
Refund	REFUND	
Error correct/Cancel	ERR CORR	
Non-add/No sale	#/NS	
Non-add	#	
No sale	NS	
Post receipt/Currency exchange	CURR EXG	
MD/ST	MDST	
Price	PRICE	
Open/Clerk No.	OPN/CLK#	
Subtotal	TL	
Receipt on/off	R ON/OFF	
Multiplication/For/Date time	QTY/FOR	

Programming receipt message/logo stamp control function

	•		
Always "0000000"			$\boxed{0} \sim \boxed{0}_{D_7 \sim D_1}$
Print bottom message.	c	$ \text{No} = 0 \\ \text{Yes} = 4 $	
Print commercial message.	b	$ \text{No} = 0 \\ \text{Yes} = 2 $	$a+b+c = \boxed{}_{D_8}$
1 Print graphic logo (electronic logo stamp), 2 Logo message	a	1 = 0 2 = 1	

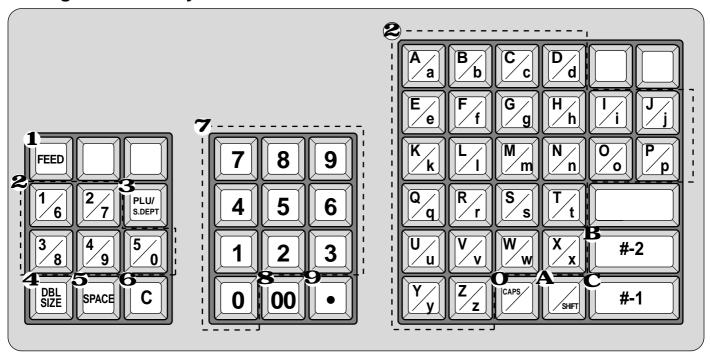


Entering characters

In this section, the method to enter descriptors or messages (characters) to the cash register during programming is described.

Characters are specified by character keyboard or by codes. In the first half of this section, the usage of character keyboard is described. In the latter half, inputting method by character code is described.

Using character keyboard



1 Feed key

Hold this key down to feed paper from the printer.

2 Alphabet keys

Used input to characters.

3 PLU/S.DEPT key

Use this key to input PLU/Subdepartment numbers.

4 Double size letter key

Specifies that the next character you input to a double size character. You must press this key before each double size character.

5 Space key

Set a space by depression.

6 Clear key

Clears all input characters in the programming.

7 Numeric keys

Used to enter program codes, memory number and character codes.

8 Character fixed key

Enter when the alphabetic entry for a descriptor, name or message has been completed.

9 Backspace/Character code fixed key

Registers one character with code (2 or 3 digits). Clears the last input character, much like a back space key.

O CAPS key

Pressing this key shifts the character from the lowercase letter to upper case letter.

A Shift kev

Pressing this key shifts the character from the uppercase letter to lower case letter.

B Program end key

Terminates the character programming.

C Character enter key

Registers the programmed characters.

Example:

Input " enter "DBL SIZE", "A", "SHIFT", "p", "p", "I", "e", "SPACE", "CAPS", "J", "SHIFT", "u", "i",

Entering characters by code

Every time you enter a character, choose character codes by the character code list (below) and press the key to settle it.

Example:



Character code list

Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code	Chara	Code
Space	32	0	48	@	64	Р	80	•	96	р	112	Ç	128
!	33	1	49	Α	65	Q	81	а	97	q	113	ü	129
"	34	2	50	В	66	R	82	b	98	r	114	é	130
#	35	3	51	С	67	S	83	С	99	s	115	â	131
\$	36	4	52	D	68	Т	84	d	100	t	116	ä	132
%	37	5	53	E	69	U	85	е	101	u	117	à	133
&	38	6	54	F	70	V	86	f	102	٧	118	å	134
'	39	7	55	G	71	W	87	g	103	W	119	ç	135
(40	8	56	Н	72	Х	88	h	104	Х	120	ê	136
)	41	9	57	I	73	Υ	89	i	105	у	121	ë	137
*	42	:	58	J	74	Z	90	j	106	Z	122	è	138
+	43	;	59	K	75	[91	k	107	{	123	ï	139
,	44	<	60	L	76	\	92	1	108		124	î	140
-	45	=	61	М	77]	93	m	109	}	125	ì	141
	46	>	62	N	78	٨	94	n	110	~	126	Ä	142
/	47	?	63	0	79		95	l o	111		127	Å	143
	+/		03		1)	_)3		111		127	,,	173
Chara	Code	Chara	Code	Chara	Code	 Chara	Code	Chara	Code	Chara	Code	Chara	Code
		I		I		Chara		<u> </u>		Chara Ó			
Chara	Code	Chara	Code	I	Code		Code	Chara ð Đ	Code		Code		Code
Chara É	Code 144	Chara á	Code 160	I	Code 176	L	Code 192	Chara ð Đ Ê	Code 208	Ó	Code 224	Chara	Code 240
Chara É æ	Code 144 145	Chara á í	Code 160 161	I	Code 176 177	L	Code 192 193	Chara ð Đ Ê	Code 208 209	Ó ß	Code 224 225	Chara	Code 240 241
Chara É æ	Code 144 145 146	Chara á í ó ú ñ	Code 160 161 162	I	Code 176 177 178	L T	Code 192 193 194	Chara ð Đ Ê	Code 208 209 210	Ó ß Ô Ò	Code 224 225 226	Chara - ± -	Code 240 241 242
Chara É æ Æ ô	Code 144 145 146 147	Chara á í ó ú	Code 160 161 162 163	Chara	Code 176 177 178 179	L T	Code 192 193 194 195	Chara ∂ Ð Ê Ë	Code 208 209 210 211	Ó ß Ô	Code 224 225 226 227	Chara - ± - 3/4	Code 240 241 242 243
Chara É æ Æ ô ö	Code 144 145 146 147 148	Chara á í ó ú ñ Ñ a	Code 160 161 162 163 164	Chara IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Code 176 177 178 179 180	L ————————————————————————————————————	Code 192 193 194 195 196	Chara ∂ Ð Ê Ë È ﴿	Code 208 209 210 211 212	Ó ß Ô Ò	Code 224 225 226 227 228	Chara - ± - 3/4 ¶	Code 240 241 242 243 244
Chara É æ Æ ô ö	Code 144 145 146 147 148 149	Chara á í ó ú ñ	Code 160 161 162 163 164 165	Chara	Code 176 177 178 179 180	L	Code 192 193 194 195 196	Chara ∂ Ð Ê Ë È i	Code 208 209 210 211 212 213	Ó ß Ô Ò Õ	Code 224 225 226 227 228 229	Chara - ± - 3/4 ¶ §	Code 240 241 242 243 244 245
Chara É æ Æ ô ö ù ù	Code 144 145 146 147 148 149 150	Chara á í ó ú ñ Ñ a	Code 160 161 162 163 164 165 166	Chara IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	Code 176 177 178 179 180 181 182	L ————————————————————————————————————	Code 192 193 194 195 196 197	Chara ∂ Ð Ê Ë È i i i	Code 208 209 210 211 212 213 214	Ó β Ô Ö Φ Þ	Code 224 225 226 227 228 229 230	Chara - ± - 3/4 ¶ §	Code 240 241 242 243 244 245 246
Chara É æ Æ ô ö ù ù ÿ Ö	Code 144 145 146 147 148 149 150	Chara á í ó ú ñ Ñ a	Code 160 161 162 163 164 165 166 167	Chara I A A A A	Code 176 177 178 179 180 181 182	L	Code 192 193 194 195 196 197 198	Chara ∂ Ð Ê Ë È i	Code 208 209 210 211 212 213 214 215	Ó ß Ô Ö Ö μ þ P Ú	Code 224 225 226 227 228 229 230 231	Chara - ± - 3/4 ¶ §	Code 240 241 242 243 244 245 246 247
Chara É æ Æ ô ö ù ù	Code 144 145 146 147 148 149 150 151	Chara á í ó ú ñ Ñ a o	Code 160 161 162 163 164 165 166 167 168	Chara I A A A A C	Code 176 177 178 179 180 181 182 183		Code 192 193 194 195 196 197 198 199 200	Chara ∂ Ð Ê Ë È i i i	208 209 210 211 212 213 214 215 216	Ó ß Ô Õ Õ μ Þ Ú Û	Code 224 225 226 227 228 229 230 231 232	Chara 3/4 ¶ \$	Code 240 241 242 243 244 245 246 247 248
Chara É æ Æ ô ö ù ù ÿ Ö	Code 144 145 146 147 148 149 150 151 152	Chara á í ó ú ñ Ñ a o ¿ ®	Code 160 161 162 163 164 165 166 167 168 169	Chara I A Â Â © I	Code 176 177 178 179 180 181 182 183 184 185		Code 192 193 194 195 196 197 198 199 200 201	Chara ∂ Ð Ê Ë É í í J	Code 208 209 210 211 212 213 214 215 216 217	Ó ß Ô Ö Φ P Ú Û Ù	Code 224 225 226 227 228 229 230 231 232 233	Chara - ± - 3/4 ¶ §	Code 240 241 242 243 244 245 246 247 248 249
Chara É æ Æ ô ö ù ù ÿ Ö Ü	Code 144 145 146 147 148 149 150 151 152 153	Chara á í ó ú ñ Ñ a o ¿ ®	Code 160 161 162 163 164 165 166 167 168 169 170	Chara I A A A A B B I I	Code 176 177 178 179 180 181 182 183 184 185		Code 192 193 194 195 196 197 198 199 200 201 202	Chara ∂ Ð Ê E È i i i r	Code 208 209 210 211 212 213 214 215 216 217 218	Ó ß Ô Ö Õ μ þ	Code 224 225 226 227 228 229 230 231 232 233 234	Chara 3/4 ¶ §	Code 240 241 242 243 244 245 246 247 248 249
Chara É æ Æ ô ö ù ù ÿ Ö Ü	Code 144 145 146 147 148 149 150 151 152 153 154	Chara á í ó ú ñ Ñ a o ¿ ®	Code 160 161 162 163 164 165 166 167 168 169 170	Chara I I I I I I I I I I I I I I I I I I	Code 176 177 178 179 180 181 182 183 184 185 186	L T + - + ã Ã L T T	Code 192 193 194 195 196 197 198 199 200 201 202 203	Chara ∂ Ð Ê È (i) i i I I I I I I I I I I I	Code 208 209 210 211 212 213 214 215 216 217 218 219	Ó ß Ô Ö μ þ Þ Ú Û ý ý Ý	Code 224 225 226 227 228 229 230 231 232 233 234 235	Chara 3/4 ¶ §	Code 240 241 242 243 244 245 246 247 248 249 250
Chara É æ Æ ô ö ò ù Ù ÿ Ö Ü	Code 144 145 146 147 148 149 150 151 152 153 154 155	Chara á í ó ú ñ Ñ a o ¿ ® 1/2 1/4	Code 160 161 162 163 164 165 166 167 168 169 170 171	Chara	Code 176 177 178 179 180 181 182 183 184 185 186 187 188	L T + - + ã Ã L T T	Code 192 193 194 195 196 197 198 199 200 201 202 203 204	Chara ∂ Ð Ê È (i) i i I I I I I I I I I I I	Code 208 209 210 211 212 213 214 215 216 217 218 219 220	Ó ß Ô Ö Õ μ þ	Code 224 225 226 227 228 229 230 231 232 233 234 235 236	Chara 3/4 ¶ §	Code 240 241 242 243 244 245 246 247 248 249 250 251

: for R/J printer only.

The "Ä", "Ö", "Ü" characters are displayed as "A", "O", "U".

Department key feature programming

There are two different methods you can use to assign features to department keys.

With "Batch feature programming", you can use a single operation to assign multiple features.

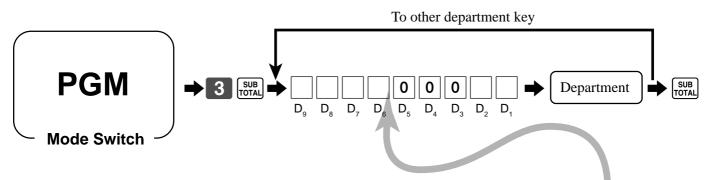
"Individual feature programming", on the other hand, let you assign features one-by-one.

This method is recommended for programming of special features to individual department keys.

Batch feature programming

Department designation

When using this procedure to assign multiple features to departments, use 9-digit codes that you create using the following procedure



Negative department	a	No = 0 Yes = 2	a.h.
Hash department	b	No = 0 Yes = 4	$a+b = \bigsqcup_{D_9}$
Single item sale		No = 0 Yes = 1	\square_{D_8}
High digit limit specification		Significant number	$\square_{\mathbf{D}_7}$
Taxable status 1 (for the U.S. model)	a	No = 0 Yes = 1	
Taxable status 2 (for the U.S. model)	b	No = 0 Yes = 2	$a+b+c = \boxed{}_{D_6}$
Taxable status 3 (for the U.S. model)	c	No = 0 Yes = 4	
Taxable status (for the Canadian model) Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7		Significant number	$oxed{\Box}_{\mathrm{D}_6}$
Always "000"			
Group link (00 ~ 50)		Significant numbers	

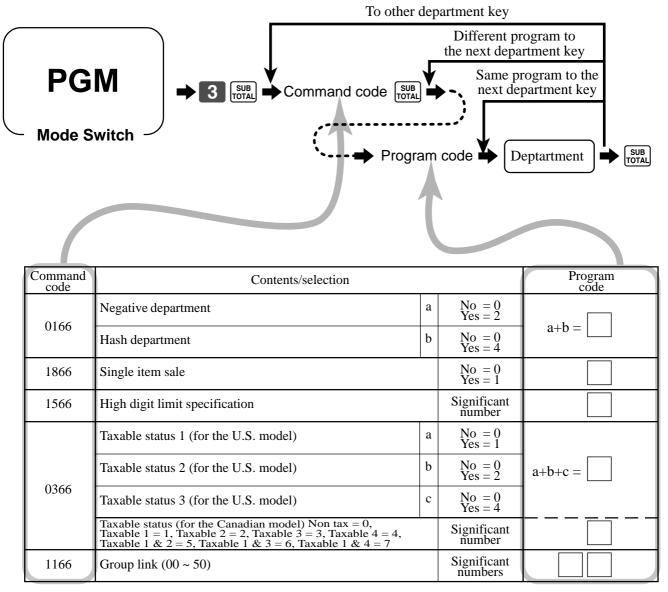
for the U.S. for Canada Department $\begin{bmatrix} \frac{49/73}{+} \\ + \end{bmatrix}$ (Dept.1) [49/73] + 25] (Dept.49) (Dept.1) [50/74] (Dept.2) 50/74 - 26 (Dept.50) (Dept.2) (Dept.72) ^(2/96) (Dept.24) **24** (Dept.24) 49/73 + 25 (Dept.25) [^{273]} (Dept.73)

^{2/96} (Dept.96)

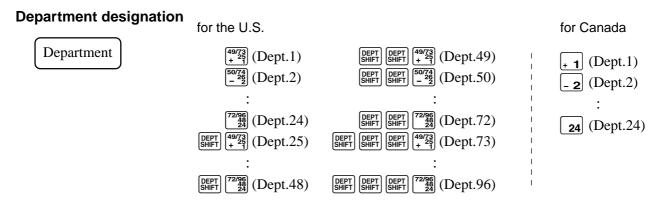
[72/96] (Dept.48)

Individual feature programming

With this procedure, you can assign individual features to specific departments. Please select the command code of the contents you want to program, and follow the procedure below.



To program a unit price to a department key, please refer the page 27.



PLU feature programming

There are two different methods you can use to assign features to PLUs.

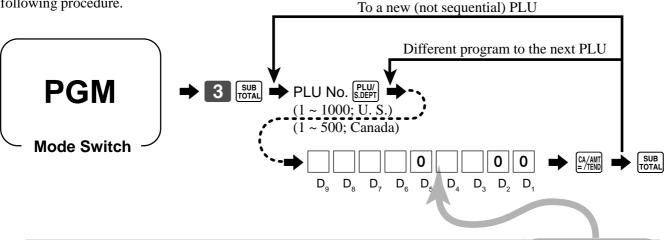
With "Batch feature programming", you can use a single operation to assign multiple features.

"Individual feature programming", on the other hand, let you assign features one-by-one.

This method is recommended for programming of special features to individual PLUs.

Batch feature programming

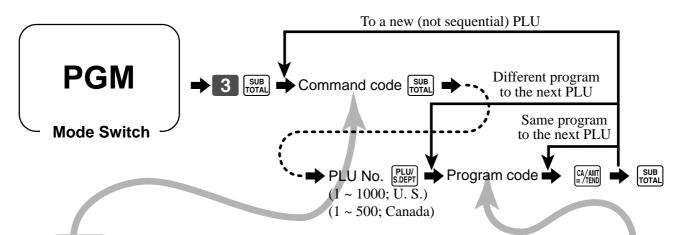
When using this procedure to assign multiple features to PLUs, use 9-digit codes that you create using the following procedure.



Negative PLU	a	No = 0 Yes = 2	
Hash PLU	b	No = 0 Yes = 4	$a+b = \bigsqcup_{D_9}$
Single item sale	a	No = 0 Yes = 1	oub = D
Treat as subdepartment/PLU.	b	PLU = 0 Subdept. = 4	$a+b = \bigsqcup_{8} D_8$
High digit limit specification (for subdepartment)		Significant number	\square_{D_7}
Taxable status 1 (for the U.S. model)	a	No = 0 Yes = 1	
Taxable status 2 (for the U.S. model)	b	No = 0 Yes = 2	$a+b+c = \boxed{}_{D_6}$
Taxable status 3 (for the U.S. model)	c	No = 0 Yes = 4	
Taxable status (for the Canadian model) Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7		Significant number	$oxed{\Box}_{\mathrm{D}_6}$
Always "0"			$ledom{ledot}{ledot}_{ledot}$
Department link (00 ~ 96; U.S., 00 ~ 24; Canada)		Significant numbers	
Always "00"			lacksquare

Individual feature programming

With this procedure, you can assign individual features to specific PLUs. Please select the command code of the contents you want to program, and follow the procedure below.



Command code	Contents/selection			Program code
0166	Negative PLU	a	No = 0 $ Yes = 2$	0.1h —
0100	Hash PLU	b	No = 0 $ Yes = 4$	a+b =
1866	Single item sale	a	No = 0 $ Yes = 1$	0.1b =
1800	Treat as subdepartment (If "No", treat as PLU.)	b	No = 0 $Yes = 4$	a+b =
1566	High digit limit specification		Significant number	
	Taxable status 1 (for the U.S. model)	a	No = 0 $Yes = 1$	
0055	Taxable status 2 (for the U.S. model)	b	No = 0 $ Yes = 2$	a+b+c =
0366	Taxable status 3 (for the U.S. model)	c	No = 0 $Yes = 4$	
	Taxable status (for the Canadian model) Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7	·	Significant number	
1166	Department link (00 ~ 96; U.S., 00 ~ 24; Canada)		Significant numbers	

To program a unit price to a PLU or a subdepartment, please refer to the page 29.

Registering example

REG

Mode Switch

Locking out and releasing high digit limitation

The key should be assigned as "OPEN".

OPERATION RECEIPT Unit price \$10.50 5 REG 06-15-2002 12:40 000030 Quantity ERROR ALARM 2 Item Dept. (Exceeding max. digits) DEPT02 \$10.50 T1 Taxable (1) TAX-AMT 1 \$10.50 TAX 1 \$0.53 Max. digit (3)TOTAL 1.03 \$20.00 Cash \$20.00 Payment CASH CHANGE \$8.97 (): Preset value Cancels limitations for next entry 0 | 5 | O OO CA/AMT

Single item sales items

You can issue a receipt by simply touching the single item sales department or PLU. The following examples show how you register single-item-sale departments. Registration of single item sale PLUs is identical.

RECEIPT

Single item

	Unit price	\$2.00	2 00 4 REG 06-15-2002	
	Quantity	1	CLERK 01	000031
Item	Dept.	4	DEPT04 T2	\$2.00
	Taxable	(2)	TAX-AMT 2	\$2.00
	Sales status	(Single item)	TAX 2 CASH	\$0.20 \$2.20
(): Pres	set value			

OPERATION

Multiple item sale

OPERATION

RECEIPT

	Unit price	\$2.00
	Quantity	1
Item 1	Dept.	2
	Taxable	(2)
	Sales status	(Normal)
	Unit price	\$2.00
	Quantity	1
Item 2	Dept.	4
	Taxable	(2)
	Sales status	(Single item)
Payment	Cash	\$7.70

2	00	- 2
5	00	÷ 4
Single item s	status i	s not

effective during transaction.

It is necessary to press the finalize key.

REG 06-15- CLERK 01	2002	12:50 000032
DEPTO2 DEPTO4 TAX-AMT 2 TAX 2 CASH	T2 T2	\$2.00 \$5.00 \$7.00 \$0.70 \$7.70

(): Preset value

Note: The single item sales department or PLU should be registered at the top of the transaction, otherwise the transaction is not finalized. It is necessary to press [ca/AMT], [CH] or [CHK] key.

Examples of registering subdepartments

Single item sale

OPERATION

RECEIPT

	Unit price	\$6.00
Item	Quantity	1
Hem	Subdept.	15
	Taxable	(1)
Payment	Cash	\$10.00
(): Procet velue		

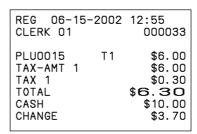
(): Preset value











Repeat

OPERATION

RECEIPT

	Unit price	(\$3.00)	
Tr 1	Quantity	3	
Item 1	Subdept.	15	
,	Taxable	(1)	
	Unit price	\$2.00	
Item 2	Quantity	2	
Helli 2	Subdept.	15	
	Taxable	(1)	
Payment	Cash	\$20.00	
(): Procet velue			

Payment	Cash	\$
() Pres	et value	

1	5	PLU/ S.DEPT

Hit PRICE without a unit price recalls preset price.











REG 06- CLERK 01	15-2002	13:00 000034
PLU0015 PLU0015 PLU0015 PLU0015 TAX-AMT TAX 1 TOTAL CASH CHANGE	T1 T1 T1 T1 T1 T1	\$3.00 \$3.00 \$3.00 \$2.00 \$13.65 \$0.00 \$10.35

Multiplication

OPERATION

RECEIPT

Item	Unit price	\$6.00
	Quantity	1.25
	Subdept.	15
	Taxable	(1)
Payment	Cash	\$10.00
() D	. 1	

(): Preset value



Quantity (4-digit integer/2-digit decimal)







REG 06-15-2002	13:05
CLERK 01	000035
1.25 X PLU0015 T1 TAX-AMT 1 TAX 1 TOTAL CASH CHANGE	@6.00 \$7.50 \$7.50 \$0.38 \$7.88 \$10.00 \$2.12

Split sales of packaged item

OPERATION

RECEIPT

Item	Unit price	\$30.00
	Quantity	7 / 12
	Subdept.	37
	Taxable	(1)
Payment	Cash	\$20.00
/\ D	- 1	

(): Preset value

7	X / FOR DATE TIME
uantity being purchased	. 1

(4-digit integer/2-digit decimal)



Quantity being purchased (4-digit integer/2-digit decimal)



Package price

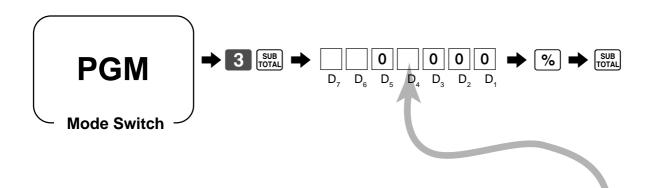
REG 0	06-15-2	2002	08:55 000007	
PLUOO3 TAX-AM TAX 1 TOTAL CASH CHANGE	1T 1	/ T1 \$1	30.00- \$17.50 \$17.50 \$0.88 \$0.88 \$20.00 \$1.62	Quantity Package quantity/ unit price

Percent key feature programming

In this section, detail information of $\final{\mbox{\%}}$ is described.

Programming to the percent key

To program a percent rate, please refer to the page 31.



Fraction control, round off = 0 , cut off = 1 , round up = 2		Significant number	$\square_{D_{7}}$
Key attribution	a	$\%-=0 \\ \%+=1 \\ M-Tax=4$	a+b = D
Prohibit manual entry to override programmed percentage.	b	No = 0 $Yes = 2$	
Always "0"			$ledom_{\mathbf{D}_5}$
Taxable status 1 (for the U.S. model)	a	No = 0 Yes = 1	
Taxable status 2 (for the U.S. model)	b	No = 0 Yes = 2	
Taxable status 3 (for the U.S. model)	c	No = 0 Yes = 4	
Taxable status (for the Canadian model) Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7, All taxable = 9		Significant number	$oxed{\Box}_{\mathrm{D}_4}$
Always "000"	·		$\boxed{0} \sim \boxed{0}_{D_3 \sim D_1}$

Registering discounts and premiums

REG

Mode Switch

Discount for Items and subtotals

Refer to "Registering discounts" in "Basic Operations and Setups" on page 32.

Premium for Items and subtotals

First of all, change key attribution to "premium" and change the key descriptor also.

			OPERATION	RECEIPT
Item 1	Unit price Quantity Dept. Taxable	(\$10.00) 1 4 (2)	Applies the input value as a premium rate (7%).	REG 06-15-2002 13:15 CLERK 01 000037 DEPT04 T2 \$10.00 7% %+ T2 \$0.70
Premium		7%	3 2 PLU/ S.DEPT	PLU0032 T2 \$5.00 ST \$15.70
Item 2	Unit price Quantity PLU Taxable	(\$5.00) 1 32 (2)	For this operation, press this key instead of [SUB].	5% %+ T1T2 \$0.79 TAX-AMT 2 \$16.49 TAX 2 \$1.65 TOTAL \$18.14
Subtotal Premium	Rate Taxable	(5%) (1/2)	Applies the preset premium	CASH \$20.00 CHANGE \$1.86
Payment (): Pres	Cash et value	\$20.00	rate (5%) to the subtotal.	
			2 0 00 CA/AMT = /TEND	

You can manually input rates up to 4 digits long (0.01% to 99.99%).

Taxable status of the % key

- Whenever you perform a discount/premium operation on the last item registered, the tax calculation for discount/premium amount is performed in accordance with the tax status programmed for that item.
- Whenever you perform a discount/premium operation on a subtotal amount, the tax calculation for the subtotal amount is performed in accordance with the tax status programmed for the \| \% \| key.

Registering manual tax

You can program the cash register to change the function of the \(\begin{aligned} \text{key} \) key to that of a (manual tax) key. The [M-TAX] key is used to register manually entered tax amounts. **REG**

Mode Switch

Important!

If you program the cash register to perform registrations with manually entered tax amounts, the M-TAX key replaces the % key, so discount/premium registration will be impossible.

Also, please set the appropriate key descriptor to the key.

Example

Unit price \$10.00 Quantity Item 1 2 Dept. Taxable (No) 50 M-Tax \$20.00 Unit price Quantity 1 Item 2 Dept. 4 Taxable (2) \$33.00 Payment Cash

(): Preset value

OPERATION RECEIPT

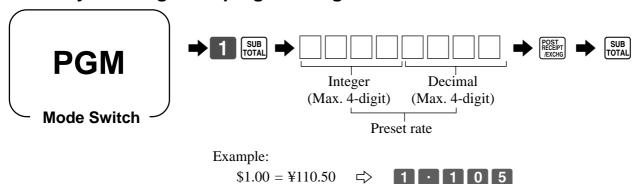


REG 06-15-2002	13:20
CLERK 01	000038
DEPTO2	\$10.00
M-TAX	\$0.50
DEPTO4 T2	\$20.00
TAX-AMT 2	\$20.00
TAX 2	\$2.00
TOTAL \$3	\$2.00
CASH	\$33.00
CHANGE	\$0.50

Currency exchange programming

When the ROSE key is pressed, a current subtotal including tax is converted directly into foreign currency and the result is displayed, and the subsequent finalization is handled using the foreign currency. The currency exchange function is released by finalizing a transaction, partial tender operation, receipt issuance, or by pressing the Total key.

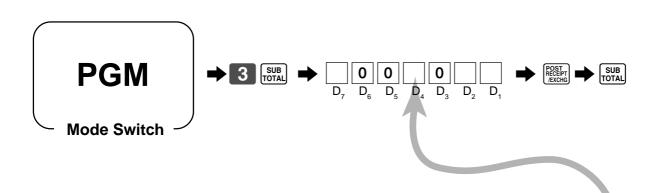
Currency exchange rate programming



 \Rightarrow

Currency exchange feature programming

\$100 = \$0.9050



Fraction control, round off = 0 , cut off = 1 , round up = 2	Significant number	\square_{D_7}
Always "00"		$lackbox{0}lackbox{0}_{\mathrm{D}_6\mathrm{D}_5}$
Monetary symbol for foreign currency; Local currency symbol = 0 Foreign currency symbol (in the special character program) = 1	Significant number	\square_{D_4}
Always "0"		$ledom{ledot}{ledot}_{ledot}$
Digit separator for foreign currency; Period = 0, Comma = 2	Significant number	$igsqcup_2$
Monetary system code (decimal places) following currency exchange operation; Same as local currency = 0, [[[] = 1, [] [] = 2, [] = 3	Significant number	\square_{D_1}

Registering foreign currency



1) Full amount tender in foreign currency

* Preprogrammed exchange rate: \(\mathbf{Y}\) 1 = \(\mathbf{S}0.0090\)

Important!

Tenders in a foreign currency can be registered using the and chik keys only. Other finalize keys cannot be used.

OPERATION	DISPLAY	RECEIPT
1 0 00 + 1 ← Enter the unit price and press the applicable department key. 2 0 00 + 1 ← Enter the next unit price and press the applicable department key. Press the FECHIFICATION FROM Press the SECHIFICATION EXCHIFICATION EXCHIFICATION EXCHIFICATION EXCHIFICATION Press the FECHIFICATION EXCHIFICATION EXCHIFICATION Press the FECHIFICATION EXCHIFICATION EXCHIFICATION Press the FECHIFICATION EXCHIFICATION EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION Press the FECHIFICATION EXCHIFICATION EXCHIFICATION Press the FECHIFICATION EXCHIFICATION EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION PROST EXCHIFICATION EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION PROST EXCHIFICATION EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION PROST EXCHIFICATION EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION PROST EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE APPLICATION PROST EXCHIFICATION ENTER THE UNIT PRICE AND PRESS THE UNIT PRICE AND PRICE AN	(Displays in \$) (Displays in \$) (Displays in \$) (Displays in \$: 3,333)	REG 06-15-2002 13:20 CLERK 01 000038 DEPT01 \$10.00 DEPT01 \$20.00 TOTAL \$30.00 CURR EXG CASH \$45.00 CHANGE \$15.00
Enter the amount tendered in yen and press the RECEIPT key. This operation converts the entered yen amount into dollars by applying a preprogrammed exchange rate. The result is shown on the display.	4 5 . [] [] (Displays in \$: 45.00)	
Press to finalize the transaction. Note that you do not need to reenter the dollar amount. The register automatically calculates the change amount due in dollars and shows it on the display, receipts and journal.	/ 5. [] [] (Displays in \$)	

2) Partial tender in a foreign currency

* Preprogrammed exchange rate: Y = 0.0090

Important!

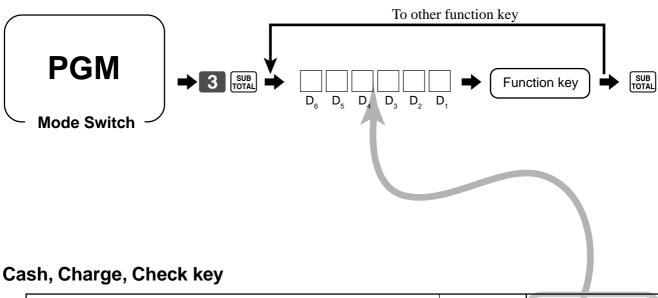
Partial tender in a foreign currency can be registered using the key and keys only. Other finalization keys cannot be used, but the remaining tender can be finalized using any finalize key.

OPERATION DISPLAY RECEIPT ■ Enter the unit price and press the 0 00 06-15-2002 13:25 000039 CLERK 01 applicable department key. (Displays in \$) DEPT01 \$10.00 2000 DEPT01 0 00 ■ Enter the next unit price and press \$20.00 \$30.00 TOTAL the applicable department key. (Displays in \$) CURR EXG CASH ¥2,000 ■ Press the POST | RECEIPT | RECEIPT | RECEIPT | POST | RECEIPT | CASH \$18.00 CHECK \$12.00 tering a numeric value. This op-(Displays in ¥: 3,333) eration converts the subtotal (including tax) dollar value into yen by applying a preprogrammed exchange rate. The result is shown on the display but not printed on the receipt or journal. 0 00 POST RECEIPT ■ Enter the partial amount tendered in yen and press the RECEPT RECEPT key. (Displays in \$: 18.00) This operation converts the entered yen amount into dollars by applying a preprogrammed exchange rate. The result is shown on the display. Press the CA/AMT key to specify cash tender for the yen partial (Displays in \$) tender. Note that you do not need to reenter the dollar amount. The register automatically deducts the dollar equivalent of the yen amount tendered from the total amount due and shows the amount on the display. СНК Press to finalize the transaction.

(Displays in \$)

Other function key feature programming

You can define a selection of features for the function keys by specifying an 8-digit program code for each key.



High amount limit specification for subtotal and tendering amounts *1		Maximum value (0 ~ 9) Number of	
		zeros (0 ~ 9)	
Prohibit entry of a partial payment	a	No = 0 Yes = 1	
Prohibit the entry of the amount tendered.	b	No = 0 Yes = 2	$a+b+c = $ D_4
Force entry of the amount tendered.	c	No = 0 Yes = 4	
Always "0"			$ledom_{\mathrm{D_3}}$
High amount limit specification for change amount due. *1		Maximum value (0 ~ 9) Number of zeros (0 ~ 9)	$\boxed{ \qquad \qquad \Box D_2 D_1}$

*1 High amounts limits:

High amount limitations are specified as 2-digits. The first digit you specify limits the maximum value of the leftmost digit of the value within the range of 0 through 9. The second digit you specify indicates the number of zeros in the limit value, again within the range of 0 through 9.

Example: \$600.00 maximum \(\subseteq \) Enter 64.

Entering "00" clears the limitation.

Received on account, Paidout key

High amount limit specification for change amount due. (refer to *1 on the previous page.)	Maximum value (0 ~ 9) Number of zeros (0 ~ 9)	$ \qquad \qquad$
Always "0000"		0 ~ 0 D ₄ ~ D ₁

Minus key

Allow credit balance.		No = 0 Yes = 1	$\boxed{ \qquad \qquad } D_{6}$
High digit limit specification		Significant number	\square_{D_5}
Taxable status 1 (for the U.S. model)	a	No = 0 Yes = 1	
Taxable status 2 (for the U.S. model)	b	No = 0 Yes = 2	$a+b+c = $ D_4
Taxable status 3 (for the U.S. model)	c	No = 0 Yes = 4	
Taxable status (for the Canadian model) Non tax = 0, Taxable 1 = 1, Taxable 2 = 2, Taxable 3 = 3, Taxable 4 = 4, Taxable 1 & 2 = 5, Taxable 1 & 3 = 6, Taxable 1 & 4 = 7, All taxable = 9		Significant number	$oxed{\Box}_{\mathrm{D}_4}$
Always "000"			0 ~ 0 _{D3} ~D ₁

#/No sale key, No sale key

Treat as the first transaction.	No = 0 Yes = 1	$\boxed{ \qquad \qquad } D_6$
Always "00000"		0 ~ 0 D ₅ ~ D

Calculator functions

While registering at the REG mode, you can switch to CAL mode and then return to REG mode to resume the registration.

Mode Switch

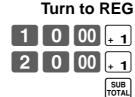
Example 1 (Calculation examples)

DISPLAY OPERATION П CIAC CIAC Clear 5+3-2= 5 + 1 3 - 2 2 CA/AMT 2 3 - 2 5 6 × 3 7 8 CA/ANT -2574 $(23-56)\times 78 =$ 12 % on 1500 1 5 0 0 <u>-2 × 3</u> 1 2 % 180

Example 2 (Memory recall)

	Unit price	\$10.00	
Item 1	Quantity	1	
	Dept.	1	
Item 2	Unit price	\$20.00	
	Quantity	1	
	Dept.	1	
Payment	Cash	\$10.00	
by 3 persons each,			

OPERATION





Recalls subtotal amount + 4 3 CA/AMT Divides the subtotal by 3

Memory recall:

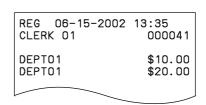
persons

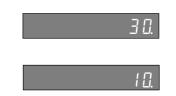
Turn to REG

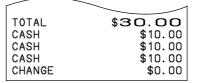
Memory recall: Recalls the result amount CA/AMT = /TEND



DISPLAY/RECEIPT

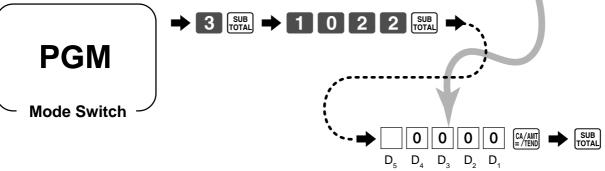






Programming calculator mode control

Open drawer when [CALIT] (equal) is pressed in CAL mode.	a	No = 0 Yes = 1	
Open drawer when $\frac{\#_{NS}}{NS}$ (or $\frac{NS}{NS}$) is pressed in CAL mode.	b	No = 0 $ Yes = 2$	$a+b+c = $ D_5
Print calculator total on the daily report.	С	Yes = 0 No = 4	
Always "0000"			0 ~ 0 _{D4} ~ D



About the daylight saving time

It is possible to set the internal clock forward/backward by $1 \sim 9$ hour(s) for the daylight saving time.

Mode Switch

_	OPERATION	DISPLAY
• Forward by 1 hour	X / FOR / OATE / TIME	12-34
	*1	[2 -] 4 (Blinking)
	X / FOR / DATE TIME	Set forward by 1 hour.
	CIAC	0.00
Backward by 1 hour	X/FOR OATE TIME	12-34
		[2 -] 4 (Blinking)
	* 1	12 - 3 4 (Blinking)
	X/FOR /DATE TIME	{ 1 − 3 Ч Set backward by 1 hour.
	CACC	0.00

^{*} Put $2 \sim 9$, in case of set the clock by $2 \sim 9$ hours.

Printing read/reset reports

Read report

You can print read reports at any time during the business day without affecting the data stored in the cash register's memory.

Reset report

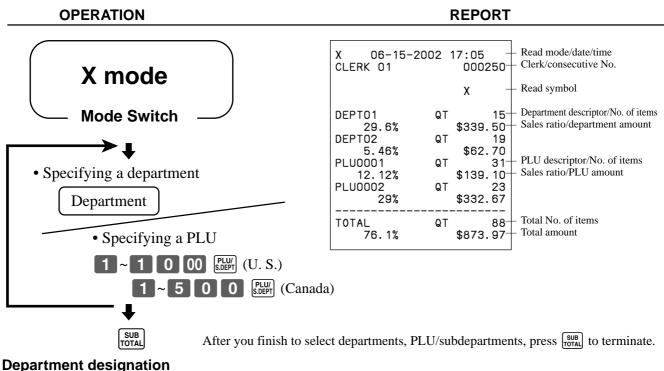
You should print reset reports at the end of the business day.

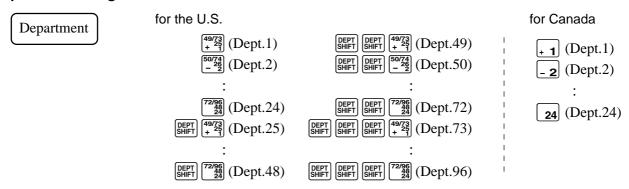
Important!

- The reset operation issues a report and also clears all sales data from the cash register's memory.
- Be sure to perform the reset operations at the end of each business day. Otherwise, you will not be able to distinguish between the sales data for different dates.

To print the individual department, PLU/subdepartment read report

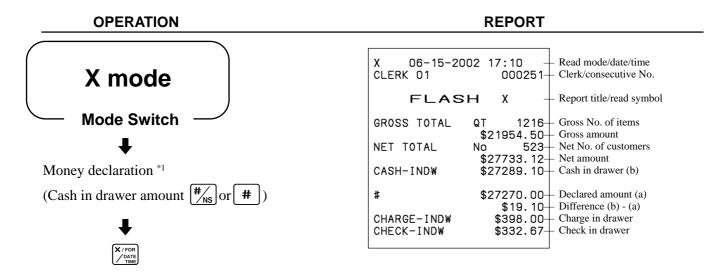
This report shows sales for specific departments or PLU/subdepartments.





To print the financial read report

This report shows gross sales, net sales, cash in drawer and check in drawer.



Money declaration:

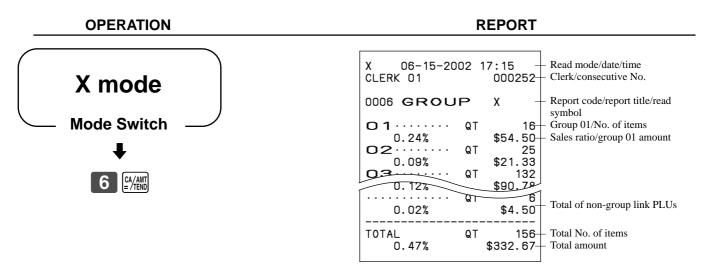
Count how much cash is in the drawer and input this amount (up to 8-digits).

The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.

Note that if money declaration is required by programming (page 47), you cannot skip this procedure.

To print the group read report

This report shows group totals.



Issue this report before the daily sales reset report, otherwise the group totals are all reset.

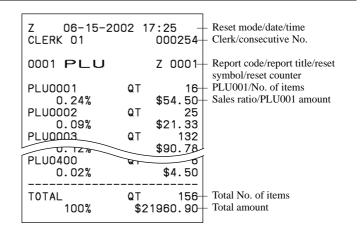
Convenient Operations and Setups

To print the PLU/subdepartment read/reset report

This report shows sales for PLUs/subdepartments.

X mode Read: Z mode Reset: **Mode Switch**

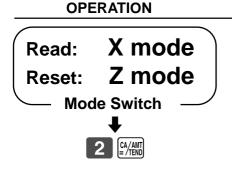
OPERATION

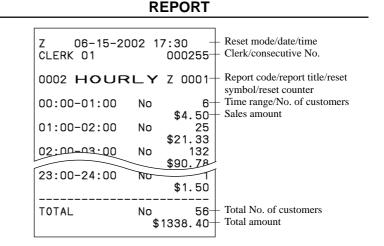


REPORT

To print the hourly sales read/reset report

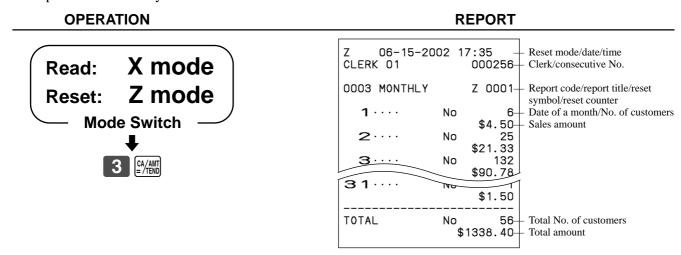
This report shows hourly breakdowns of sales.





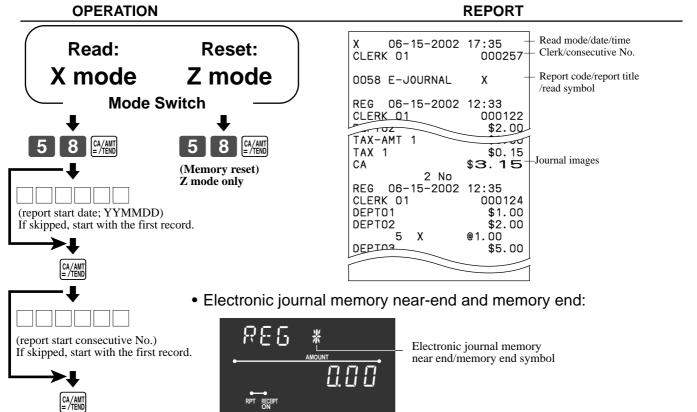
To print the monthly sales read/reset report

This report shows monthly breakdowns of sales.



To print the electronic journal memory read/reset report

Even if the printer is used for issuing receipts, you can get transaction logs by this report.



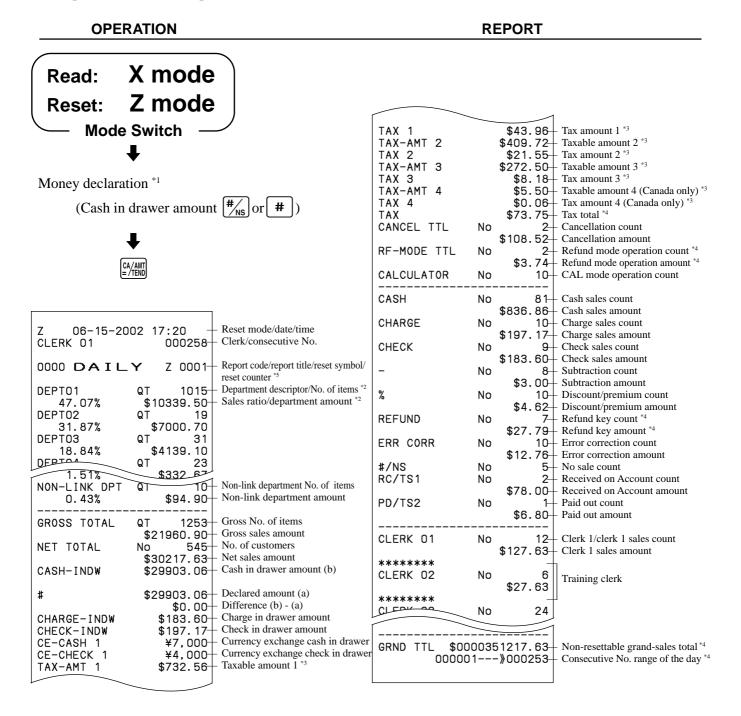
Important!

- When the register shows the above sign, issue this read report (if necessary) and reset this memory immediately. (If you do not need this report, enter "4058" instead of "58".)
- If you select "No" in "Alert when the electronic journal memory becomes full (refer to page 48)", issue this report before the daily sales reset report, otherwise you cannot get this report.

Convenient Operations and Setups

To print the daily sales read/reset report

This report shows sales except for PLUs.



Money declaration:

Count how much cash is in the drawer and input this amount (up to 8-digits).

The cash register will automatically compare the input with the cash in drawer in the memory and print the difference between these two amounts.

Note that if money declaration is required by programming (page 47), you cannot skip this procedure.

- Zero totalled departments (the amount and item numbers are both zero) are not printed.
- Taxable amount and tax amount are printed only if the corresponding tax table is programmed.
- These items can be skipped by programming.
- The "*" symbol is printed on the reset report, if memory overflow occurred in the totalizer.

To print the periodic-1/-2 sales read/reset reports

These reports show sales breakdowns of sales by any two kinds of period you want.

OPERATION REPORT

Read: X mode
Reset: Z mode

Mode Switch

Mode Switch

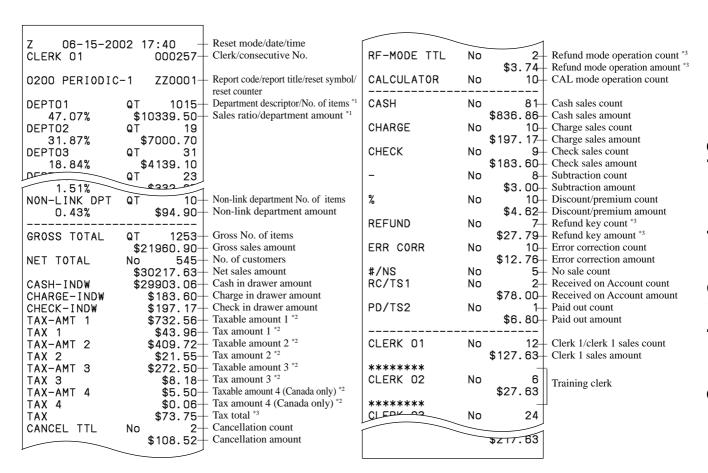
Periodic-1 Read)

O (Periodic-2 Read)

O (Periodic-1 Reset)

O (Periodic-2 Reset)

Periodic-2 Reset)



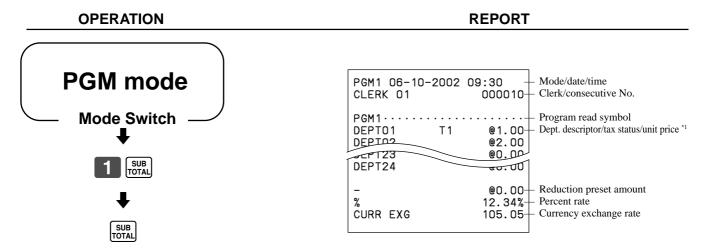
^{*1} Zero totalled departments (the amount and item numbers are both zero) are not printed.

^{*2} Taxable amount and tax amount are printed only if the corresponding tax table is programmed.

³ These items can be skipped by programming.

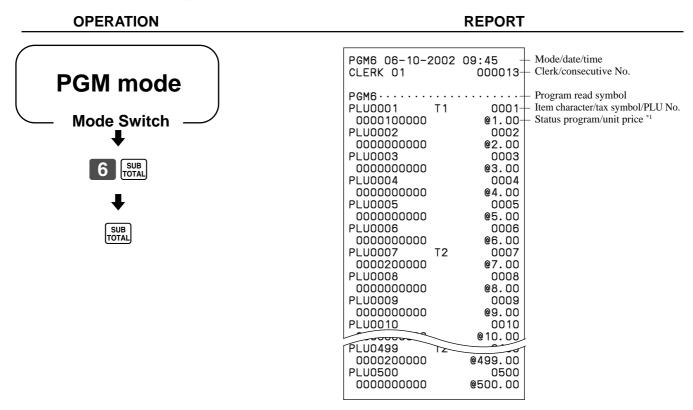
Reading the cash register's program

To print unit price/rate program (except PLU)



^{*1} Departments without being programmed are not printed on this report.

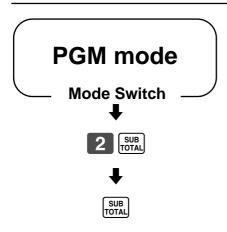
To print the PLU program

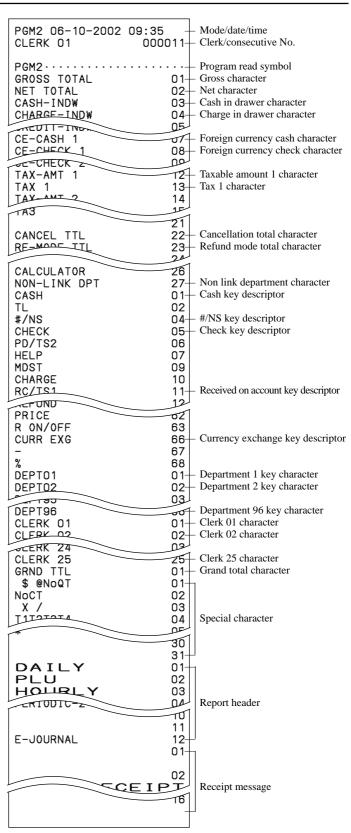


^{*1} PLU without being programmed are not printed on this report.

To print key descriptor, name, message program (except PLU)

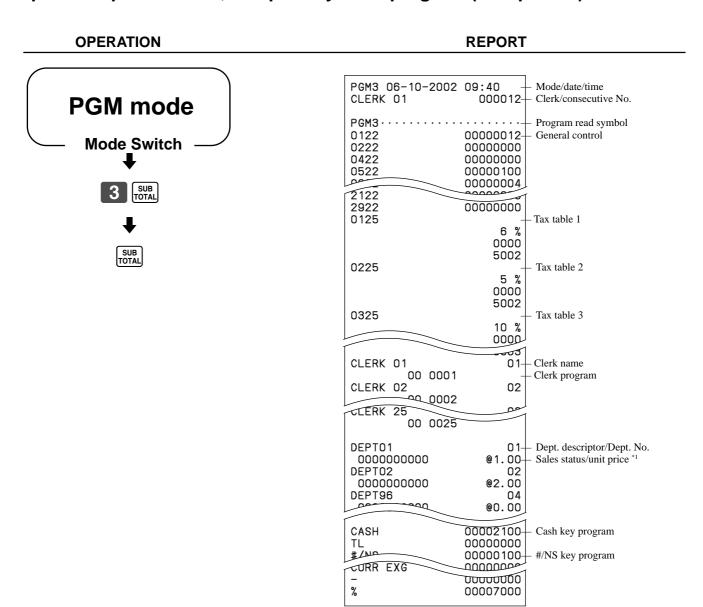
OPERATION REPORT





Convenient Operations and Setups

To print the print control, compulsory clerk program (except PLU)



Departments without being programmed are not printed on this report.

This section describes what to do when you have problems with operation.

When an error occurs

Errors are indicated by an error tone. When this happens, you can usually find out what the problem is as shown below.

Does the display show an error code?

No	Yes
	+

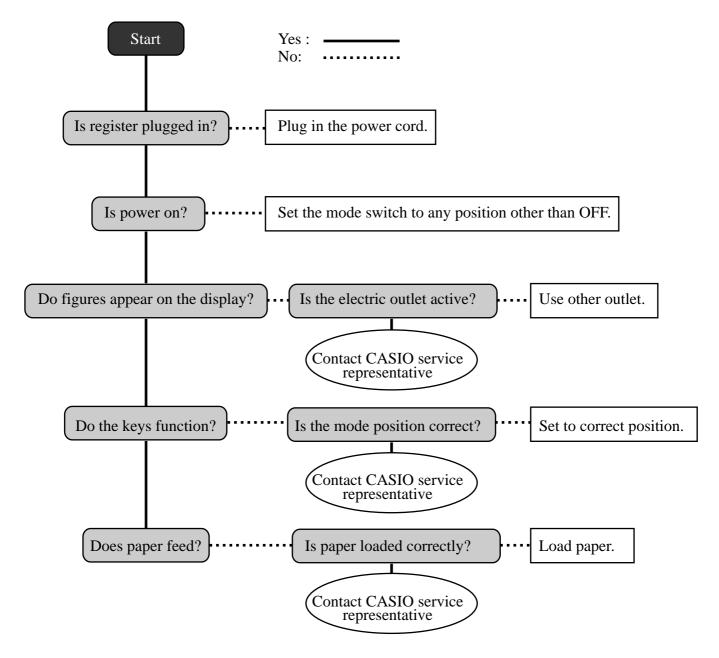
 $\frac{1}{\sqrt{1}}$

仝	Error code (Message)	Meaning	Action
$\hat{\Gamma}$			Return the mode switch to its original setting and finalize the operation.
$\hat{\Gamma}$	E08 (SIGN-ON)	Registration without entering a clerk number.	Enter a clerk number.
$\hat{\Gamma}$	E10 (PRNT-LID)	Platen arm of the printer is opened.	Close the platen arm.
Û	E12 (JPAP-END) Journal paper end		Replace the new paper roll.
⊔ Ţ	E14 (RPAP-END)	Receipt paper end	Replace the new paper roll.
$\hat{\Gamma}$	E27 (BUF-FULL)	Transaction cancel buffer full.	Finalize the transaction.
\Diamond	E31 (PRESS-ST)	Finalization of a transaction attempted without confirming the subtotal.	Press the SUB TOTAL key.
Ŷ	E33 (TEND-AMT)	Finalize operation attempted without entering amount tender.	Enter the amount tendered.
$\hat{\Box}$	E35 (CNG-OVER)	Change amount exceeds preset limit.	Input amount tendered again.
$\hat{\mathbb{Q}}$	E38 (DECL-AMT)	Read/reset operation without declaring cash in drawer. This error appears only when this function is activated.	Perform money declaration.

Press [c] key and check the appropriate section of this manual for the operation you want to perform.

When the register does not operate at all

Perform the following check whenever the cash register enters an error condition as soon as you switch it on. The results of this check are required by service personnel, so be sure to perform this check before you contact a CASIO representative for servicing.



In case of power failure

If the power supply to the cash register is cut by a power failure or any other reason, simply wait for power to be restored. The details of any ongoing transaction as well as all sales data in memory are protected by the memory backup batteries.

- Power failure during a registration
 - The subtotal for items registered up to the power failure is retained in memory. You will be able to continue with the registration when power is restored.
- Power failure during printing a read/reset report
 - The data already printed before the power failure is retained in memory. You will be able to issue a report when power is restored.
- Power failure during printing of a receipt and the journal Printing will resume after power is restored. A line that was being printed when the power failure occurred is printed in full.
- - The power failure symbol is printed and any item that was being printed when the power failure occurred is reprinted in full.

Important!

Once receipt/journal printing or printing of a report starts, it can be stopped only by interruption of power to the cash register.

When the L sign appears on the display

About the low battery indicator...

The following shows the low battery indicator.



If this indicator appears when you switch the cash register on, it can mean one of three things:

- No memory backup batteries are loaded in the cash register.
- The power of the batteries loaded in the unit is below a certain level.
- The batteries loaded in the unit are dead.

To clear this sign, press [key.

Important!

Whenever the low battery indicator appears on the display, load a set of three new batteries as soon as possible. If there is a power failure or you unplug the cash register when this indicator appears, you will lose all of your sales data and settings.

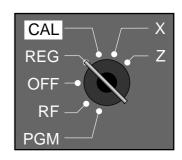
> BE SURE TO KEEP THE POWER CORD OF THE CASH REGISTER PLUGGED IN WHENEVER YOU REPLACE THE BATTERIES.

To replace journal paper



Step 1

Set the mode switch to the REG position and remove the printer cover.





Step 2

Press FEED to feed about 20 cm of paper.



Step 6

Slide the printed journal from the take-up reel.



Step 3

Cut the journal paper at the point where nothing is printed.



Step 7

Open the platen arm.



Step 4

Remove the journal takeup reel from its holder.



Step 8

Remove the old paper roll from the cash register.



Step 5

Remove the paper guide from the take-up reel.



Load new paper.

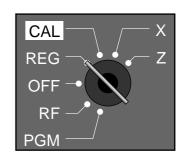
Go to the step 3 described on page 10 of this manual.

To replace receipt paper



Step 1

Set the mode switch to the REG position and remove the printer cover.





Step 2

Open the platen arm.



Step 3

Remove the old paper roll from the cash register.

Step 4

Load new paper.

Go to the step 3 described on page 9 of this manual.

NOTE:

After completion of register programming, enter 6 2 0 0 and [SUB] in the PGM 3 mode $(PGM \text{ mode} \Rightarrow 3)$ (SUB) to backup the program data into the internal non-volatile memory. (This opration takes about 10 seconds.)

Options

WT-82 wetproof cover

The optional wetproof cover protects the keyboard from moisture damage.

Consult your CASIO dealer for details.

Specifications

Input method

Entry: 10-key system; Buffer memory 8 keys (2-key roll over)

Department: Full key system

Amount 8 digits (Zero suppression); No. of repeats, Receipt On/Off **Display**

Character 8 digits; Item descriptor, Key descriptor, Mode

Printer

Printer: Single sheet dot matrix thermal printer (Receipt or journal printing)

24 digits (Amount 10 digits/descriptor 8, 12 or 24 digits)

Automatic take up roll winding Journal:

Print speed: Max. 14 lines/sec. Feed speed: Max. 14 lines/sec.

 $58 \text{ mm} \times 80 \text{ mm } \emptyset \text{ (Max.)}$ Paper roll:

CASIO P-5880T

Calculations Entry 8 digits; Registration 7 digits; Total 8 digits

Chronological data

Date print: Automatic date printout on receipt or journal

Automatic calendar

Time print: Automatic time printout on receipt or journal

Time display: 24-hour system

Alarm Entry confirmation signal; Error alarm

Totalizers

		Contents				
Category	No. of Totalizers	Amount (10 digits)	No. of items (4 digits)	Count (4 digits)	No. of customers (4 digits)	Periodic Totalizer
Department	96*3/24*4	V	✓ *1			V
PLU	1000*3/500*4	V	✓ *1			
Hourly sales	24	V			V	
Monthly	31	V			V	
Clerk	25*3/10*4	V			V	
Transaction	29	v 0	or 🗸 (or 🗸	or 🗸	~
Non resettable grand sales total	1	✓ *2				
Reset counter	6			✓		~
Consecutive No.	1			~		

^{*1: 4} digit integer + 2 digit decimal, *2: 12 digits, *3: for the U.S., *4: for Canada

Memory protection batteries

The effective service life of the memory protection batteries (three new SUM-3 or UM-3 type

batteries) is approximately one year from installation into the machine.

Power supply/

As noted on the plate affixed to right side of register.

Power consumption

 $0^{\circ}\text{C} \sim 40^{\circ}\text{C}$ **Operating temperature**

Humidity $10 \sim 90\%$

Dimensions and Weight 275mm (H) $\times 365$ mm (W) $\times 474$ mm (D) / 8kg with small size drawer

^{*} Specifications and design are subject to change without notice.

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