



● Features

- Allows up to 600 proximity cards and PIN codes
- 125 KHz Frequency EM-400x compatible chip
- Tamper switch and alarm buzzer included
- Fully Programmable via keypad and master code
- Access mode selectable: card only ; card or PIN ; card+PIN
- Supports Wiegand 26/44-bit format auxiliary reader
- Logical memory to prevent duplication
- Invalid PIN Lock-out
- Beeper sound gives of keypad composition
- Non-Volatile Memory
- Removable memory chip replacement

● Statement

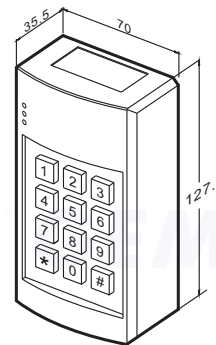
The DG-600E stand-alone Proximity Reader serial providing single door access control, and ideal for small controllers application. When DG-600E conjunction with extended auxiliary reader Wiegand 44 / 26-bit format output on outdoor for high security access control integration nowadays and the future, it's designed to mounts on a standard-single-gang electric wall box or on the surface of an interior or exterior wall.

DG-600E runs with 600 proximity cards and PIN codes capacity in reading time max. 0.5 second. Each card is presented to the Reader has to with PIN codes 5 digits password attached for multi-authorized. Logical memory can prevents unauthorized persons from gaining PIN codes entry by trial and error, system will shut down 60 seconds while 5 times of incorrectly password attempted which would eliminate any random application of card ID code transmission. Beeper sound gives a proper way of keypad composition for the system in any case to work it goes. Enables various beeper and LED configurations, depending on individual sit requirements.

Build in tamper switch that turns on alarm relay activation to ensure vandal proof and suspend the time-delay overdue. Programmed memory stored to the system for at least 10 years, nevertheless an incidentally power breaking down. The DG-600E is highly reliable, warranted for life and capable of providing the best read range in its class.

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DM-CA-DG-600E Ver. D Published on 2008.05.06



Unit: mm

● Specifications

- Operating Voltage: DC +9V to 16V
- Current Draw: Average 50mA, Peak 100mA @ 12Vdc
- Transmitting Frequency: 125 KHz, EM-400x compatible chip
- Memory Volume: 600 Proximity cards/tokens and PIN codes
- Read Range: Up to 10 cm (Depending on local installation conditions)
- Keyboard: 12 digits keypad (0~9, *, #)
- Input: Request-to-exit, door reed switch, auxiliary reader
- Relay Electric Current: 2A MAX @30Vdc, 0.4A @120Vac
- Invalid PIN Lock-out: The system will shut down for 60 seconds while 5 times of incorrectly Master Codes enrolled or PIN codes attempted (None beeper signal of keypad activations(Relocking timer:
 - Strike Time: 1~99 seconds (adjustable)
 - Strike mode: Access Timer or Latch
- Alarm Function:
 - Door Held Open Alarm: 10~990
 - Door Forced Alarm
 - Panel Temper Alarm
- Auxiliary Reader Format: Wiegand 44 or 26-bit only format
- (adjustable), hexadecimal (Em 64-bit standard R/O or compatible)
- Case Material: ABS (UL94V0)
- Color: Dark gray/ Beige White
- Operating Temperature: -20~+70°C
- Ambient Humidity: 5~95% relative humidity non-condensing
- Visual Signals: 3 LED display with audible Indication (Red/Yellow/Green)
- EMC: Meet CE requirement

● Warranty

The product is warranted against defects in material and workmanship while used in normal service for a period of 1 year from the date of sale to the original customer. The GEM policy is one of continual development and improvement; therefore GEM reserves the right to change specifications without notice.



The products are manufactured under an ISO 9001 & QC 080000 Certified Quality Management Program environment back its product quality, performance and commitment to customer satisfaction.

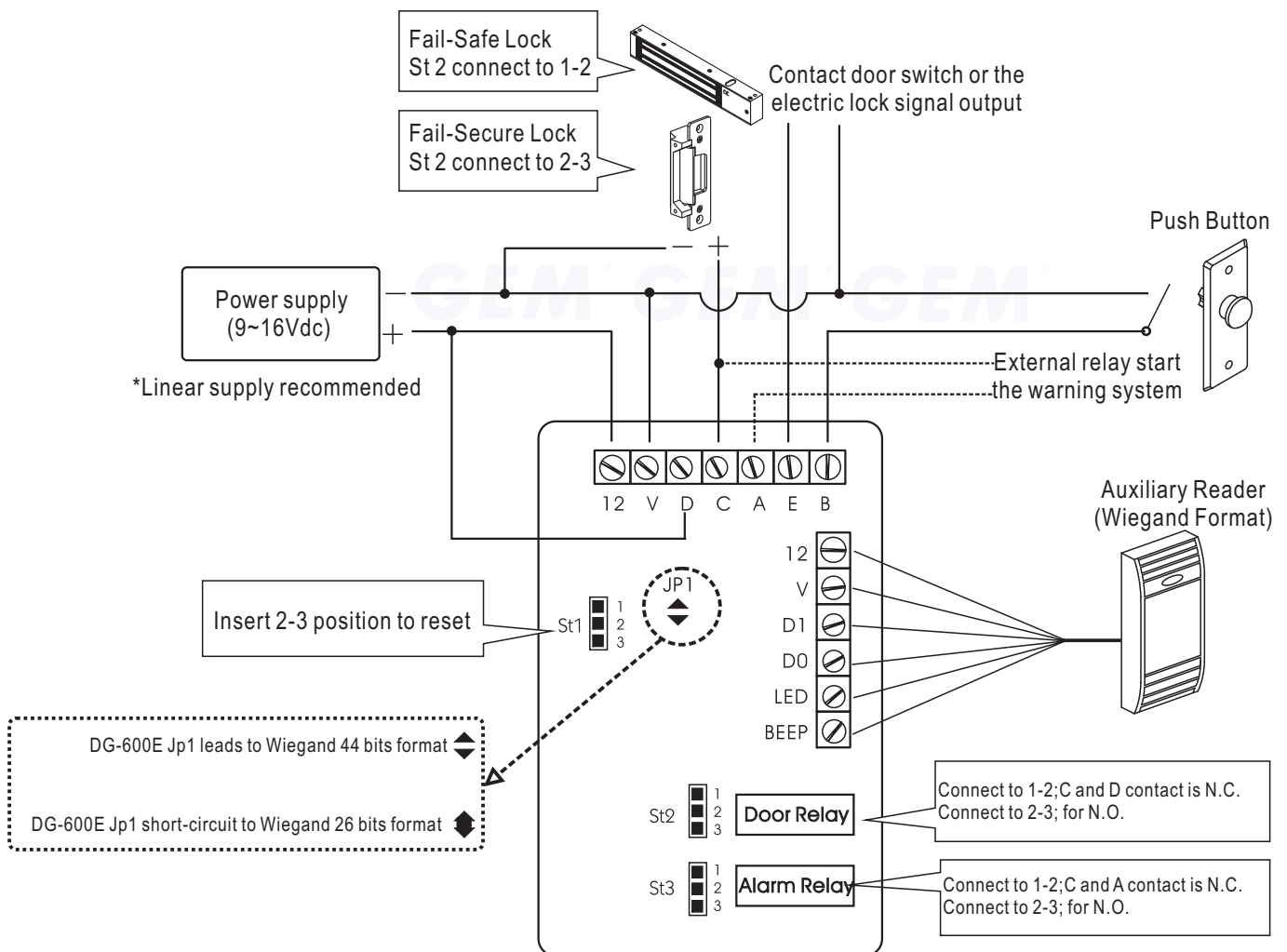
Auxiliary reader



GEMPROX-E
125 KHz, Wiegand 26-bit
hexadecimal format output
Size:88(L) X 44(W)X16(D)mm

The auxiliary reader must not be further than 50 meters from the DG-600E. Also this reader should be nearer than 60 centimeters, to avoid disturbance. The suggested wire gauge is #22~26 AWG. Split of units for DG-600E and auxiliary reader in ranging up to 50 M bring out the friendly system device for low cost but high security with anti-tampering as well as convenience and reliability.

Connecting Diagram



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