Installation Sheet

RDM-2ZC Dual Zero Cross Module 2400 W

The RDM-2ZC Dual Zero Cross Module is a dual 2400 W zero-cross relay built for long term, reliable switching of electronic fluorescent ballasts, electronic transformers and incandescent lamps. It is designed for use with the RDA series of enclosures, in an AMX Lighting™ modular digital dimming system. The module's 120, 240, and 277 VAC ratings are CE, UL, and C-UL approved.

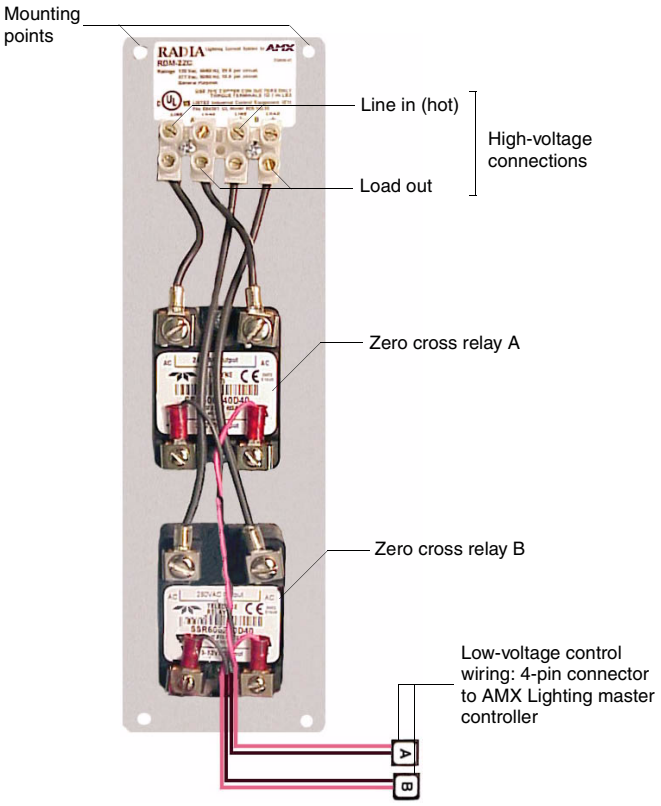

FIG. 1 RDM-2ZC

RDM-2ZC UL and C-UL Ratings

- 120-277 VAC, 2400 W
- 240/277 VAC, 2400 W

Suggested Switched Loads

- Incandescent
- Electronic transformers
- HID ballast
- Electronic and magnetic ballast

Specifications

- Dimensions (HW): 10.00" x 2.75" (25.40 cm x 6.99 cm)
- Non-phase dependant
- Use wires rated at 75°C (167°F)
- Torque terminals to 7 in-lbs. (0.8 N/M)
- Max. wire size: 10 AWG (4 mm²)
- Wire stripping length: 0.28" (7 mm)
- Weight: 2.0 lbs. (0.91 kg)
- BTU/hr: 300
- Control current: 45 mA per relay (90 mA total) @ 12 VDC

Caution: Pre-Installation Notes

- All Class 1 wiring must be connected to proper terminals.
- All control wiring must be connected to proper terminals.
- Disconnect power while installing or connecting the unit.
- Keep top and bottom air vents clear at all times.
- Test loads for shorts before connecting.
- Use low voltage wires with a 300 volt rating or greater.
- Use field installed copper conductors.
- All electrical ratings are for continuous duty.
- For indoor use only.
- This module may require extra power from the AXlink connection or an external power supply connected to the control card.

Connecting the RDM-2ZC to the AMX Lighting Master

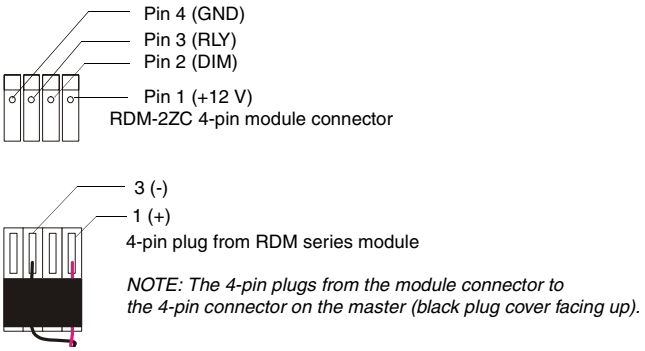

FIG. 2 RDM-2ZC connections

Lighting Application Drawing

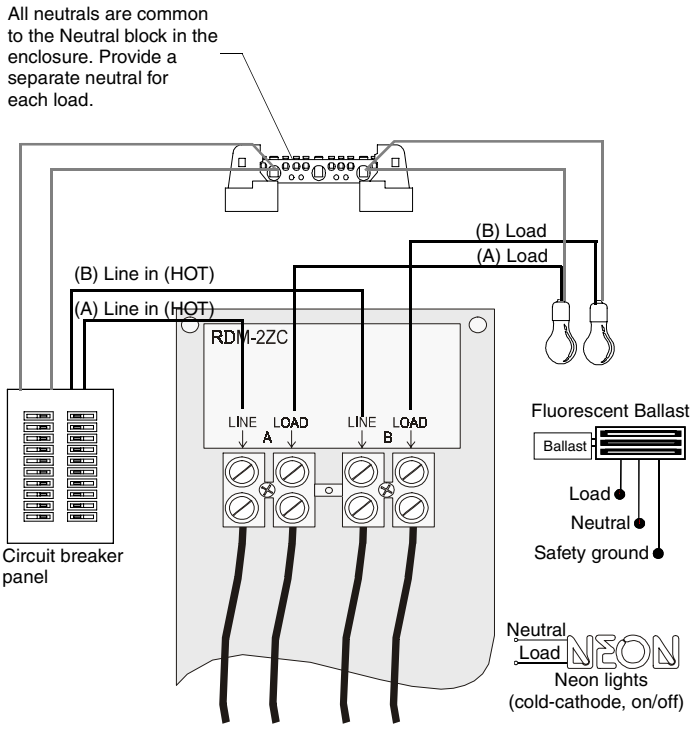

FIG. 3 RDM-2ZC wiring configuration

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