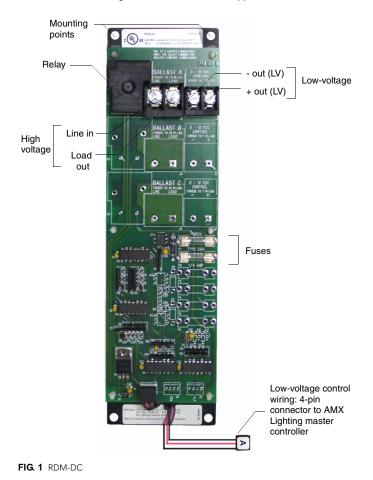


Installation Guide RDM-DC DC Dimmer Module 1920W, 0-10 VDC

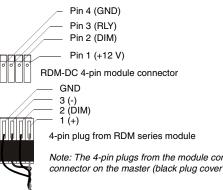
The RDM-DC DC Dimmer Module (FG606-60) is a 1920 W module used for the dimming of fluorescent ballast loads. It uses a 0 to 10 VDC current sinking for use with four-wire ballasts. It is designed for use with the RDA series of enclosures, in an AMX Lighting[™] modular digital dimming system. The module's 120 and 277 VAC ratings are CE, UL, and C-UL approved.



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.
- 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.
- Test loads for shorts before connecting.
- This module may require extra power from the AXlink connection or an external power supply connected to the control card.

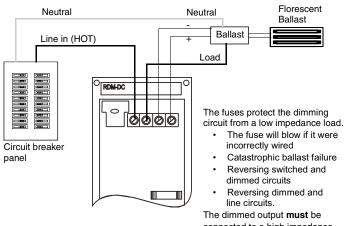
Connecting the RDM-DC to the AMX Lighting Master



Note: The 4-pin plugs from the module connector to the 4-pin connector on the master (black plug cover facing up).

FIG. 2 Connecting the RDM-DC and AMX Lighting Master

Lighting Application Drawings



connected to a high impedance load.

FIG. 3 RDM-DC application wiring

Warning: Failure to ground the ballast may cause ballast failure

Four-wire dimmable ballasts, like Advance Transformer Mark VII™ or the Energy Savings SuperDim[™] series

Specifications

- Dimensions (HW): 10" x 2.75" (25.4 cm x 6.99 cm)
- Non-phase dependant
- Use wires rated at 75°C (167°F) •

RDM-DC UL and C-UL Ratings • 120 VAC, 50/60 Hz, 1920 W

Control Out: 50 mA, 12 VDC sinking

277 VAC, 50/60 Hz, 1920 W

Suggested Dimmed Loads

- Torque terminals to 20 in-lbs. (2.3 N/M)
- Max. wire size: 10 AWG (4 mm²)
- Wire stripping length: 0.28" (7 mm)
- Weight: 2.3 lbs. (1.043 kg)
- BTU/hr: 150
- Control current: 125 mA @ 12 VDC

For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s). 7/08

93-606-60 REV: A



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