

#### Overview

The RDM-2INC Dual Incandescent Dimming Module 2400 W (x2) incandescent dimmer (FG606-31) is designed for use with the RDA series of enclosures, in an AMX Lighting™ modular digital dimming system. It can dim incandescent lights, cold-cathode, neon and two-wire dimmable ballasts. The module's 120, 240, and 277 VAC ratings are CE, UL, and C-UL approved.



FIG. 1 RDM-2INC

### RDM-2INC UL and C-UL Ratings

RDM-2INC Dual Incandescent Dimmer Module - 2,400 W (x2)

- 120 VAC, 50/60 Hz, 2400 W
- 240/277 VAC, 50/60 Hz, 2400 W

# **Suggested Dimmed Loads**

- · Incandescent
- · Low-voltage
- · Neon, cold-cathode
- · Two-wire, phase-controlled ballast

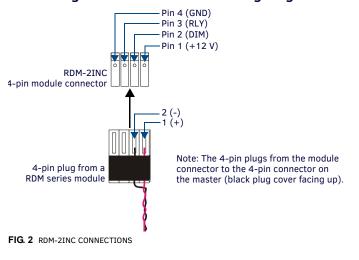
### **Specifications**

- Dimensions (HW): 10.0" x 2.75" (25.4 cm x 6.99 cm)
- 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: 6.5 lbs. (2.948 kg)
- BTU/hr: 600
- Control current: 45 mA @ 12 VDC per dimmer, 90 mA total

#### **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.
- Run all low-voltage and control wires away from heat producing parts of the dimmer.
- Each dimming circuit must have a separate neutral connection.
- All electrical ratings are for continuous duty.
- AC lighting loads only.
- 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-2INC to the AMX Lighting Master



# **Wiring Diagram**

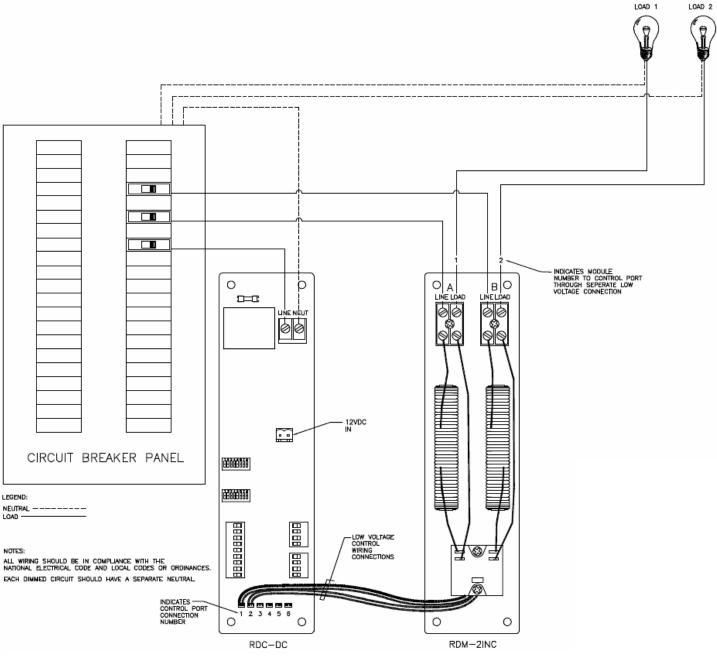


FIG. 3 RDM-2INC LIGHTING MODULE WIRING



© 2015 Harman. All rights reserved. Radia, AMX, AV FOR AN IT WORLD, HARMAN, and their respective logos are registered trademarks of HARMAN. Oracle, Java and any other company or brand name referenced may be trademarks/registered trademarks of their respective companies.

AMX does not assume responsibility for errors or omissions. AMX also reserves the right to alter specifications without prior notice at any time. The AMX Warranty and Return Policy and related documents can be viewed/downloaded at www.amx.com.

93-0606-31 REV: A