

The RDM-HFDB Heavy Duty FDB Module is a heavy-duty, 2400 W positive air gap relay and dimmer, built for strength and for reliable switching/dimming of Lutron FDB ballasts. It is designed for use with the RDA series of enclosures, in a AMX Lighting™ modular digital dimming system. The RDM-HFDB module's 120, 240, and 277 VAC ratings are CE, UL, and C-UL approved.

- 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-HFDB to the AMX Lighting Master

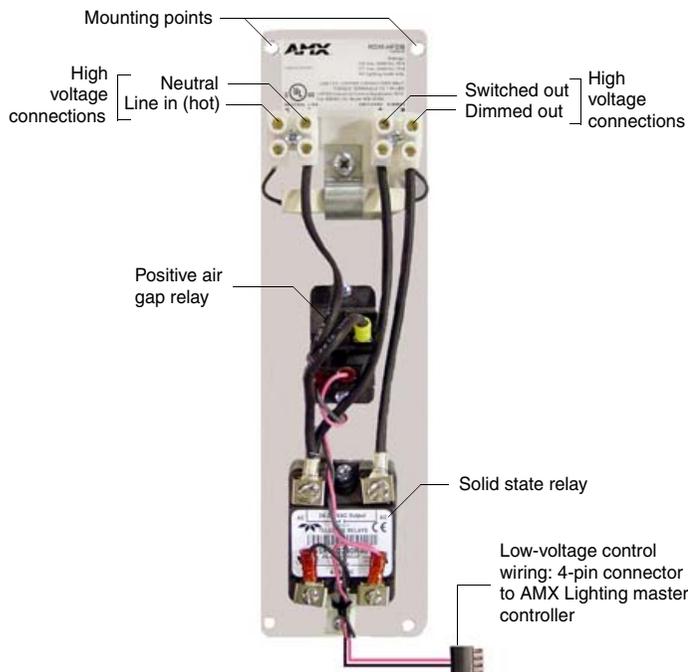


FIG. 1 RDM-HFDB

RDM-HFDB UL and C-UL Ratings

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

Suggested Dimmed Loads

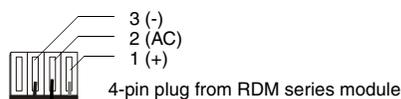
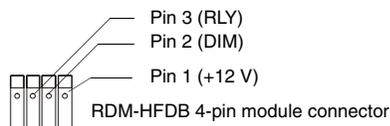
- Lutron® FDB Ballasts
- Lutron ECO-10® Ballasts (refer to the *AMX Lighting* instruction manual for more information)

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 20 in-lbs. (2.3 N/M)
- Max. wire size: 10 AWG (4 mm²)
- Wire stripping length: 0.28" (7 mm)
- Weight: 1.50 lbs. (0.680 kg)
- BTU/hr: 150
- Control current: 135 mA @ 12 VDC
- Use Dimming Curve 6 (refer to the *Programming AMX Lighting* instruction manual for more information).
- For use with FDB ballasts.

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.



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-HFDB and AMX Lighting Master

Lighting Application Drawings

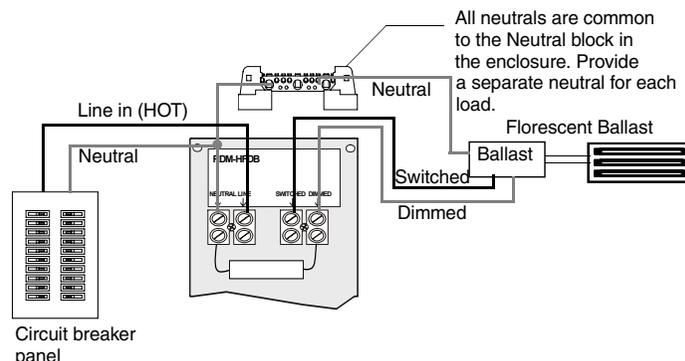


FIG. 3 RDM-HDC application wiring

AMX Corporation reserves the right to alter specifications without notice at any time.
For full warranty information, refer to the AMX Instruction Manual(s) associated with your Product(s).
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