



Catalog Number	
Notes	Type

FEATURES

The Remote Dimmer Module (RDMBC) provides remote control dimming for 0-10-VDC ballast in response to the phase control output of another dimming device. The RDMBC is controlled independently from the controlling device (120 VDC only), and powered (separately if needed) making it ideal for expanding dimming capacity or mixing lamp voltages on a single system.

- Works with 0-10VDC electronic ballasts
- Low-end trim available for setting the minimum brightness level
- Rated for use in return air plenums
- Electronic soft start of lamps
- Integral air gap relay
- LED indicators for line and control power
- NEMA 1 enclosure
- Convection cooled

SPECIFICATIONS

FUNCTIONAL

- Provides dimming of up to one full circuit of lighting in response to a control signal from the output of a compatible dimmer channel.
- Dimmer: Suitable for 0-10VDC electronic dimming ballast
- Control Input: Dimmed output (phase control) from a SQIDC or ISD I dimmer.
- Output: Linear with respect to control input within 10%.

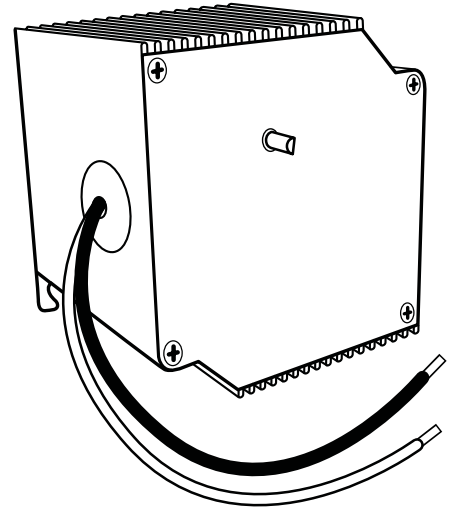
ELECTRICAL

- Dimmer Capacity: 1920VA at 227V
- Input Power: May be a separate branch circuit or shared with the controlling dimmer circuit.
- Phasing: No phase relationship required between RDM and the controlling dimmer.
- Relay: Air gap for positive *on/off* operation.
- Soft Start: Protects cold tungsten filament from inrush current.
- Indicators: Separate LED for input power and control power.
- Termination: Pigtails provided for contractor connections.

MECHANICAL

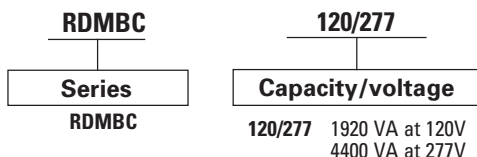
- Enclosure: NEMA 1; CRS with extruded aluminum heat sink; rated for use in return air plenum.
- Mounting: Any orientation; replace cover on standard 4" J-box.

Remote Dimmer Module RDMBC 120/277



ORDERING INFORMATION

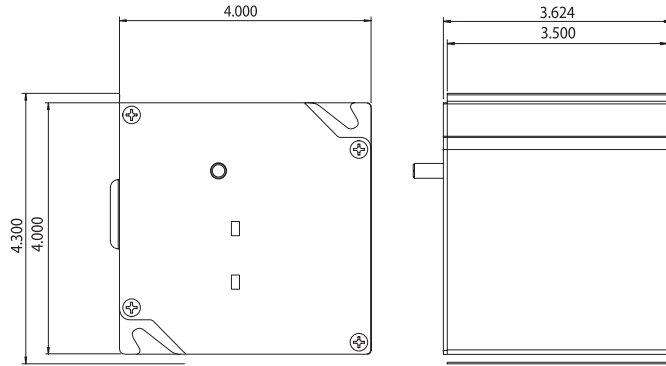
Example: **RDMBC 120/277**



RDMBC 120/277 Remote Dimming Module

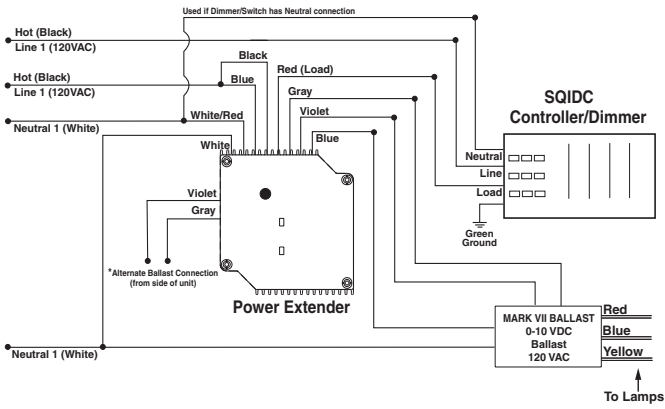
DIMENSIONS

All dimensions are in inches (millimeters).

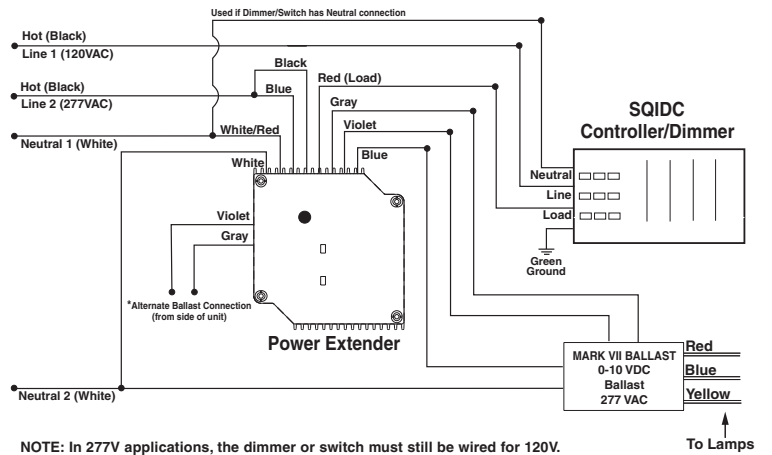


WIRING DIAGRAMS

Wiring Diagram 1A – Power Supply connected to Load side, 120V Application

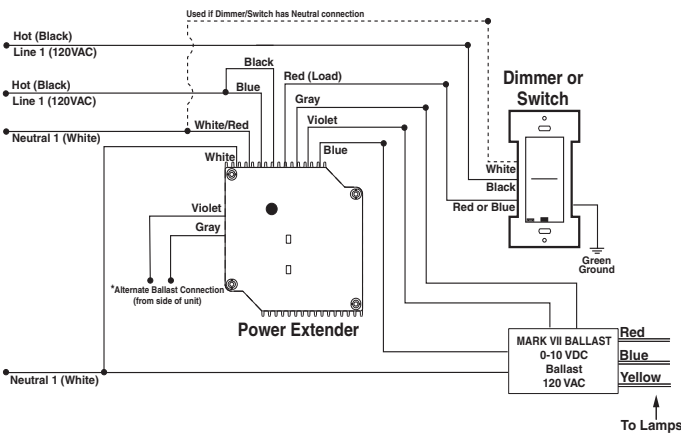


Wiring Diagram 2A – Power Supply connected to Load side, 277V Application

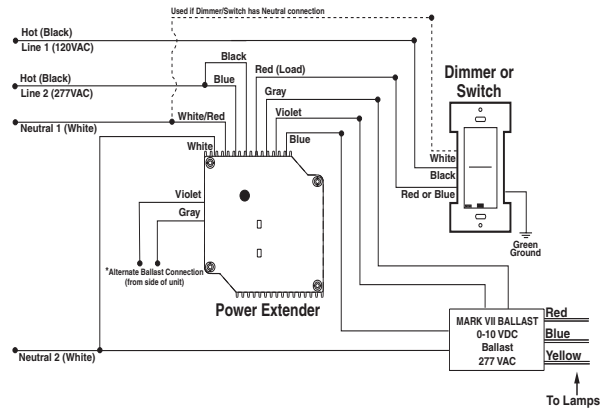


NOTE: In 277V applications, the dimmer or switch must still be wired for 120V.

Wiring Diagram 1B – Power Supply connected to Load side, 120V Application



Wiring Diagram 2B – Power Supply connected to Load side, 277V Application



NOTE: In 277V applications, the dimmer or switch must still be wired for 120V.



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