



**WIH-IM-2RF-1277**

### PROJECT INFORMATION

Project Name \_\_\_\_\_

Catalog No. \_\_\_\_\_

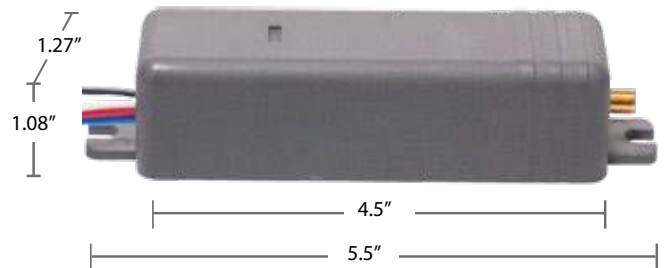
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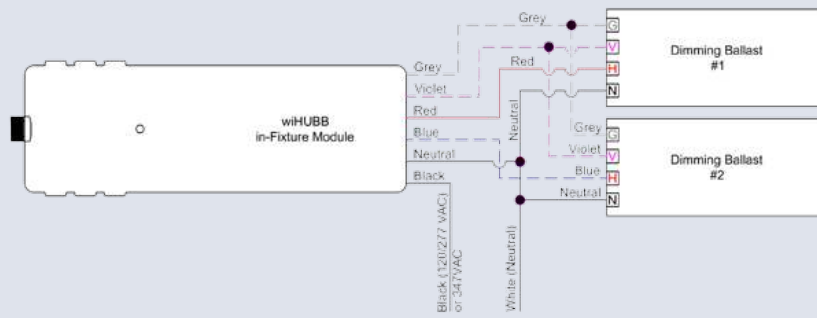
Hubbell Controls' *wiHUBB* In-Fixture Module (IFM) is a self-contained intelligent wireless control module. It contains either one or two independently-controlled outputs. The two-output version can be used for High/Low or alternate ballast switching.

An optional 0-10V output is also available for full-range dimming control of dimmable ballasts and LED drivers. Each *wiHUBB* IFM can control one or more fixtures and can be individually controlled or grouped with other *wiHUBB* devices. The *wiHUBB* IFM communicates via 900MHz radio frequency to other devices within the *wiHUBB* wireless self-organizing and self-healing mesh network.

### PRODUCT FEATURES

- Single or dual relay versions for On/Off or High/Low control
- Optional 0 – 10V interface for full range dimming control
- Device intelligently and automatically responds to sensors and switches in the most energy-efficient manner
- Schedules are held in the devices themselves – no need for a master scheduling device
- Retains data during power outages
- Robust & reliable 900MHz wireless self-organizing and self-healing mesh network
- Future-proof design – firmware updateable over the air
- Multiple antenna options available
- FCC certified
- Five-year limited warranty
- 120-277 Vac and 347 Vac models





## General Specifications

Electrical Ratings (-1277 version)	<p>Input: 120-277VAC, 10A Max, 60Hz</p> <p>Output: 10A, Tungsten, 120VAC only</p> <p>10A, Magnetic Ballast</p> <p>5A, Electronic Ballast (max each relay)</p> <p>¼ H.P. Motor, 120 &amp; 277VAC</p> <p>For (2) relay models the maximum combined output of both relays: 10A</p>
Electrical Ratings (-347 version)	<p>Input: 347VAC, 10A Max, 60Hz</p> <p>Output: 10A, Ballast</p> <p>For (2) relay models the maximum combined output of both relays: 10A</p>
Optional Dimming Interface	0-10V, 30mA output for use with low-voltage, two-wire dimming ballast and LED drivers.
RF Frequency	902 - 928MHz
RF Range	<p>Wireless Peer-To-Peer, Self-Organizing and Self-Healing Mesh Network</p> <p>Spread Spectrum Frequency Hopping</p> <p>Supported distance between wireless devices: 100 meters (328 feet)</p> <p>Maximum Transmission Output Power: +20 dBm</p> <p>Maximum Receive Sensitivity: -118 dBm</p>
Operating Environment	<p>Operating Temperature: -40°C to +90°C</p> <p>Relative humidity (non-condensing): 0 to 95%</p>
Construction	Housing: GSM UL Rated 94 HB Plastic
Size and Weight	<p>Size: 5.50"L x 1.27"W x 1.08"H</p> <p>Weight: 4 oz</p>
Color	Gray
Mounting	<p>Mounts inside fixture ballast cavity or housing</p> <p>Optional mounting adaptor available (p/n WIH-IM-ADAPTER) for external junction box mounting</p>
Certifications	<p>Conforms with UL916 and Certified to CAN/CSA C22.2 No. 205-M1983</p> <p>FCC Certified</p> <p>IC Approved</p>
Warranty	Five-year limited

## Ordering Information

WIH-IM	OUTPUT	INPUT VOLTAGE
<b>MODEL</b>		
WIH-IM	<p><b>1RA</b> 1 SPST Output, Articulating Antenna</p> <p><b>1RDA</b> 1 SPST Output, 0-10VDC Dimming Output, Articulating Antenna</p> <p><b>1RF</b> 1 SPST Output, Fixed Antenna with 24" Extension Cable</p> <p><b>1RDF</b> 1 SPST Output, 0-10VDC Dimming Output, Fixed Antenna with 24" Extension Cable</p> <p><b>2RA</b> 2 SPST Outputs, Articulating Antenna</p> <p><b>2RDA</b> 2 SPST Outputs, 0-10VDC Dimming Output, Articulating Antenna</p> <p><b>2RF</b> 2 SPST Outputs, Fixed Antenna with 24" Extension Cable</p> <p><b>2RDF</b> 2 SPST Outputs, 0-10VDC Dimming Output, Fixed Antenna with 24" Extension Cable</p>	<p><b>1277</b> 120/277VAC</p> <p><b>347</b> 347VAC</p>

## Accessory

WIH-IM	ADAPTER
<b>MODEL</b>	<b>ACCESSORY</b>
WIH-IM	<p><b>ADAPTER</b> In-Fixture Module J-Box Mounting Adapter</p>



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