

# Lighting Controls

## WIR SERIES

WISCAPE® WIRELESS INTERNAL FIXTURE MODULE

DATE:	LOCATION:
TYPE:	PROJECT:
CATALOG #:	

wiSCAPE™

### FEATURES

- On/Off lighting control with 0-10V full-range dimming
- 3 digital inputs/2 analog inputs for low-voltage switches, motion and photo sensors
- Secondary low-voltage outputs for driving additional external loads (e.g. contactors)
- Military grade AES-128 communication encryption
- Multi-level grouping and multiple scenarios
- Programmable state after blackout, with peak shaving options
- Revenue-grade metering (+/- 0.5% accuracy) with multiple user-configurable alarms
- Complete integration with wiSCAPE software



### SPECIFICATIONS

#### CONSTRUCTION

- Black
- UL94V-0 Flame Retardant

#### MOUNTING

- Optional Mounting Enclosure: NEMA 4:  
6.25" (158.75mm) H x 3.125" (79.38mm) W  
x 3.375" (85.73mm) D

#### ELECTRICAL

- Voltage:
  - 120-480VAC; 50/60Hz (+/- 10%)
  - Less than 1 watt consumption at 120V
- Maximum Load Amperage:
  - 110-240VAC: 7 Amps
  - 277-347VAC: 5 Amps
  - 480VAC: 2 Amps
- Power Metering:
  - Amperage, Voltage, Power (+/- 0.5% accuracy)
  - Power Factor, Cumulative Energy, Burn-time and cycles counters
  - C12.20 metering protocol compliance
- Output Status Monitoring: Standard feature
- 0-10V dimming: For all types of 0-10V drivers and ballasts requiring either sourced (up to 20mA or sunk (up to 5mA)

#### ELECTRICAL (CONTINUED)

- 3 digital inputs: low voltage, 0-30V / 3mA max at 30VDC (e.g. photocell and/or motion sensor and/or low voltage switches)
- 2 analog inputs: 0-30V / 3mA max at 30VDC (e.g. luxmeter)
- 2 digital outputs: sink (max: 100mA total) or source 2.4mA (10K pull-up)
- Aux power supply: 24VDC, 50mA

#### OPERATION

- Radio Coverage: Up to 1,000 ft. (300m) between modules.(footnote 1)  
Communication range based on clear line of site. Range may vary widely depending on environmental factors.<sup>1</sup>
- Manual-ON/Auto-OFF, Auto-ON/Auto-OFF and grace period compliant (complies with N.Y. LL48 and many other energy regulations)

#### OPERATING ENVIRONMENT

- Relative humidity: 0-99% non-condensing
- Ambient Temperature Range: -40°F to 158°F (-40°C to +70°C)

#### CERTIFICATIONS

- ANSI/UL 8750, CSA 22.2 No. 250.13-14
- IP66

#### CERTIFICATIONS (CONTINUED)

- 2.4GHz Version: U.S. FCC (Digi XBee PRO 2.4GHz) Part 15.247 Class A: MCQ-PS2CTH, Canada IC: 1846A-PS2CTH, Europe CE: ETSI, Australia: C-TICK, Japan: TELEC
- 900MHz Version: U.S. FCC (Digi XBee PRO 900MHz) Part 15.247 Class A: MCQ-XB900HP
- UL94V-0 Flame retardant ABS or epoxy molding

#### WARRANTY

- 5 year limited

Notes:

- 1 Antenna must be mounted vertically up or down.

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WISCAPE® WIRELESS INTERNAL FIXTURE MODULE

### ORDERING GUIDE

CATALOG #  Example: WIR-RMI-IO

Model	Enclosure
WIR-RMI-IO	Blank None
WIR-RMI9-IO <sup>1</sup>	N4 NEMA 4 Enclosure

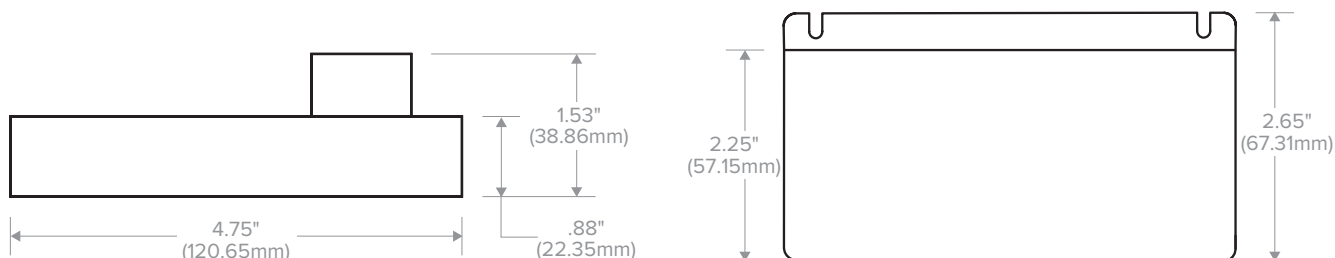
#### Accessories

- ☐ WIR-RMDB-40<sup>2</sup> wiSCAPE Fixture Module, 0-10V Dimming Booster with 40mA Sink

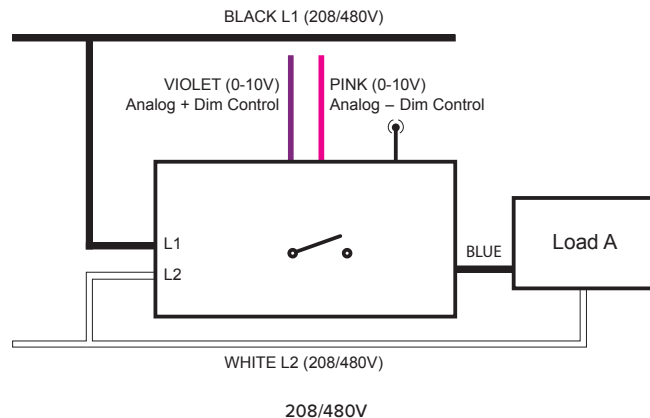
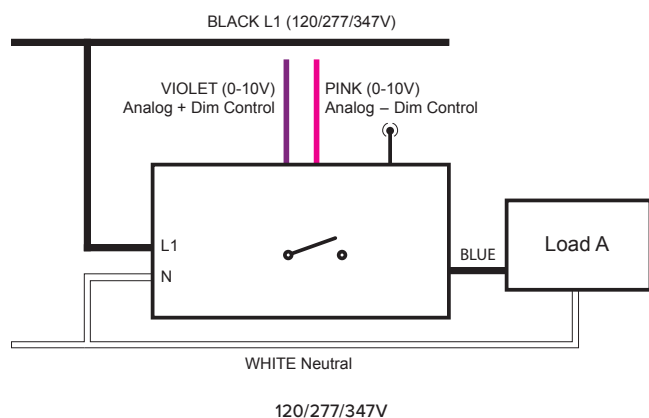
#### Notes:

- 900 MHz Devices are MTO (Made-To-Order) - Contact Customer Service for Availability
- Add-on component that increases the number of fixtures that can be dimmed/sunk

### DIMENSIONS



### WIRING DIAGRAMS



Pink wire replaces previous gray wire. Units with a gray instead of pink wire should be wired as the pink wire shown in the diagram.