Lighting Controls

WIR SERIES
WISCAPE® WIRELESS EXTERNAL FIXTURE MODULE

wiSCAPE™

FEATURES

- On/Off lighting control with 0-10V full-range dimming

- Compliant with ANSI C136-41 (7 & 5 pin) twist-lock receptacles

- Digital input available for motion sensor, switch or photocell control

- Includes built-in, internal on/off photocell

- Military grade AES-128 communication encryption

- Multi-level grouping and multiple scenarios

- Revenue-grade metering (+/- 0.5% accuracy) with multiple user-configurable alarms

- Complete integration with wiSCAPE software

DAYLIGHT HARVESTING · 0-10V DIMMING · WIRELESS · IP66 · c UL us LISTED · FC

SPECIFICATIONS

CONSTRUCTION
- Black
- Plastic housing
- UL94V-0 Flame Retardant
- 3.75" (95.3mm) H x 3.125" (79.4mm) DIA

MOUNTING
- Compliant with ANSI C136-41(7 & 5 pin) twist-lock receptacles[1]

ELECTRICAL
- Voltage:
  - 110-480VAC (+/- 10%); 50/60Hz
  - Less than 1-watt node consumption (may vary according to specific configuration)
- Maximum Load Amperage:
  - 120-240VAC: 7 Amps
  - 277-347VAC: 5 Amps
  - 480VAC: 2 Amps
- Power metering: amperage, voltage, power (+/- 0.5% accuracy), power factor, energy, burn-time and cycles counters - C12.20 metering power compliance
- Meets standards IEC61000-4-3 and EN61000-4-3: Immunity to radiated electromagnetic fields

ELECTRICAL (CONTINUED)
- Surge protection (6kV/3kA)
- Sensor multi-purpose input/output: analogic input 0-30V or digital output 24VDC for sensor boards (e.g. CO detector)
- 0-10V Dimming: For all types of 2-wire 0-10V drivers & ballasts requiring either sourced (up to 20mA) or sunk (up to 5mA)
- Sensor output: 24VDC - max: 50mA (total)

OPERATION
- Radio Coverage: Up to 1,000 ft. (300m) between modules.(footnote 2) Communication range based on clear line of site. Range may vary widely depending on environmental factors.[2]
- Integrated Photocell: Default configuration - operates immediately upon installation; no need for a network connection. Orientation arrow located on top of housing.[3]

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

CERTIFICATIONS
- ANSI/UL 773, CSA 22.2 No. 182.2
- UL 94 V-0
- IP66
- IK09
- 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

WARRANTY
- 5 year limited

Notes:

1   Receptacles not included. Please order with luminaire.

2   Device must be mounted vertically up or down.

3   Position photocell facing either North or South.

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ORDERING GUIDE

Example: WIR-RME-L

CATALOG #

Model	
WIR-RME-L	wiSCAPE Wireless External Fixture Module, 2.4GHz, 1000' Range, 110-480VAC
WIR-RME9[1]	wiSCAPE Wireless External Fixture Module, 900MHz, 1000' Range, 110-480VAC

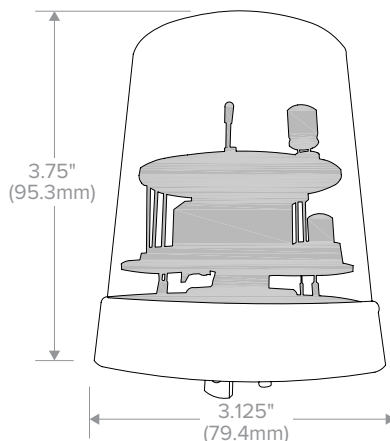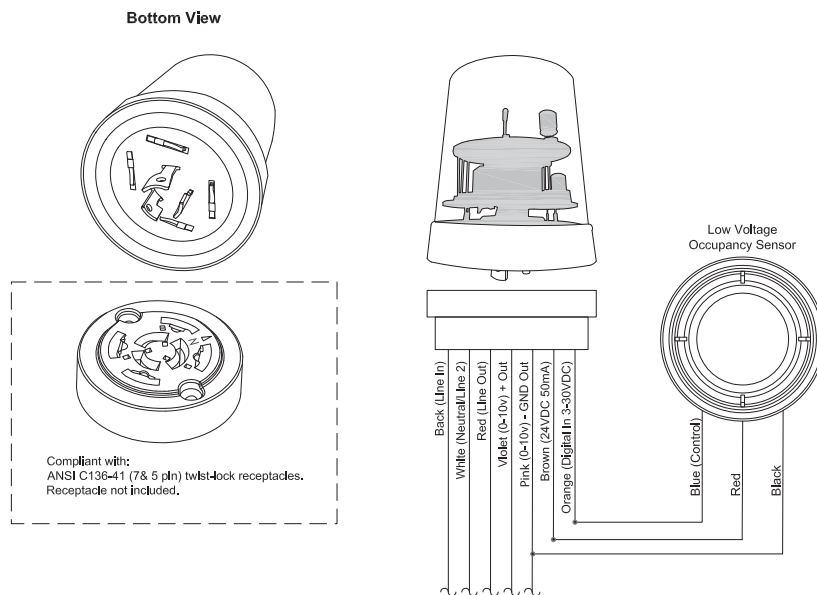| Accessories	
☐ **WIR-RMDB-40**[2]	wiSCAPE Fixture Module, 0-10V Dimming Booster with 40mA Sink

Notes:
1. 900 MHz Devices are MTO (Made-To-Order) - Contact Customer Service for Availabilty
2. Add-on component that increases the number of fixtures that can be dimmed/sunk

DIMENSIONS

3.75" (95.3mm)

3.125" (79.4mm)

WIRING DIAGRAMS

Bottom View

Compliant with:
ANSI C136-41 (7& 5 pin) twist-lock receptacles.
Receptacle not included.

Low Voltage Occupancy Sensor

Black (Line In)
White (Neutral/Line 2)
Red (Line Out)
Violet (0-10v) + Out
Pink (0-10v) - GND Out
Brown (24VDC 50mA)
Orange (Digital In 3-30VDC)

Blue (Control)
Red
Black

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.

wiSCAPE External Fixture Module with Low Voltage Occupancy Sensor

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