Lighting Controls

WIR SERIES
WISCAPE® WIRELESS GATEWAY3

wiSCAPE™

FEATURES

- Autonomously manages up to 1000 fixture modules (500 recommended)

- Astronomical and fixed time scheduling

- Uses Flash memory storage in order to withstand temperature, shock and vibrations

- Supports network connectivity via Ethernet connection (Standard) or optional cellular modem

- Surge protected

- NEMA 4X (IP66) cabinet

- Secure communication using AES-128 encryption

- Optional cabinet heater for extreme cold environments

FC   IP66   c(ETL)us   CE

SPECIFICATIONS

CONSTRUCTION
- Compression molded fiberglass reinforced polyester construction with flush, solid/opaque cover (IP66 Rated)

- Standard: 10"L x 8"W x 4"H (Hammond PJU1084L)

- Stainless steel hinges and lockable snap latches

- Supplied with pole and wall mounting brackets

ELECTRICAL
- 120-240 VAC; 50/60Hz

- Power consumption: 10W maximum (Heater option 70W when in operation)

- NOTE: 277VAC and 347VAC operation requires step-down transformer – see Accessories

- Fused Supply: 5A

- Surge Protection: 190 Joules (10,000 surge current rating measured using industry 8/20 µSec wave)

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.[1]

OPERATING ENVIRONMENT
- Relative Humidity: Up to 99% non-condensing (fully waterproof NEMA 4X enclosure)

- Ambient Temperature Range:
  - Without Heater: 32°F to 185°F (0°C to 85°C)
  - With Optional Heater: -40°F to 185°F (-40°C to 85°C)

CERTIFICATIONS
- UL508A

- 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

CERTIFICATIONS (CONTINUED)
- 900MHz Version: U.S. FCC (Digi XBee PRO 900MHz) Part 15.247 Class A: MCQ-XB900HP

WARRANTY
- 5 year limited

Notes:
1   Antenna must be mounted vertically up or down.

4513A_WIR-Gateway3_SPEC_R01

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ORDERING GUIDE

Example: WIR-GATEWAY3

CATALOG #

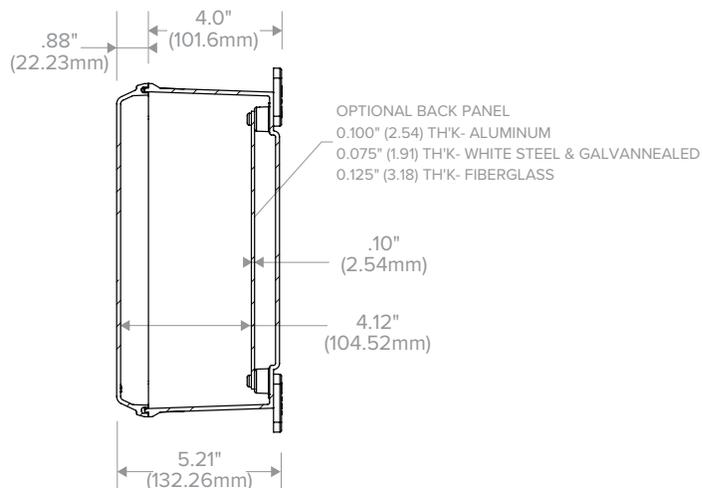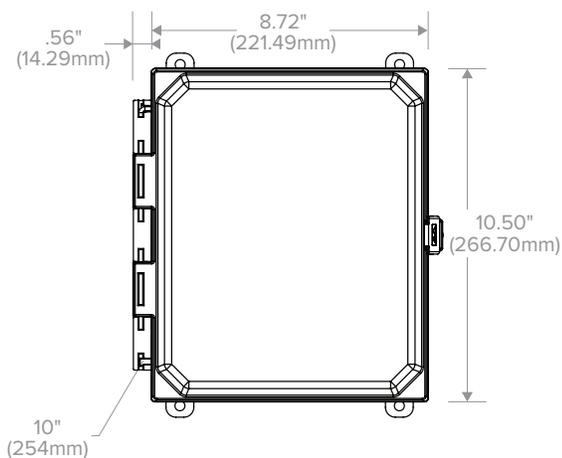| WIR-GATEWAY3	–	Radio	–	Options	
Housing		**Radio**		**Options**	
WIR-GATEWAY3 wiSCAPE Gateway Generation 3		**Blank** 2.4 GHz		**Blank** None	
		9 900 MHz[1]		**CM** Cellular Modem[2]	
				H Heater	
				CMH Cellular Modem and Heater[2]	

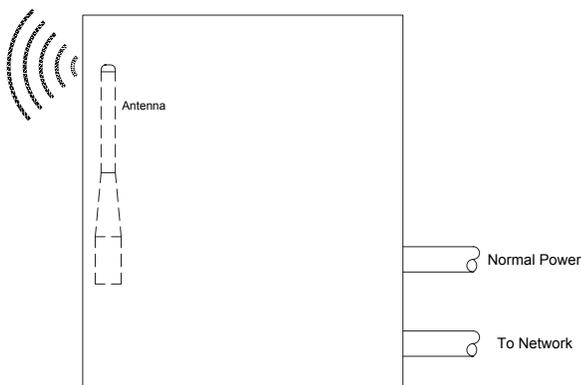| Accessories	
☐ **WIR-STPDNXFMR-277**	wiSCAPE Gateway Stepdown Transformer - 277V TO 120V
☐ **WIR-STPDNXFMR-347**	wiSCAPE Gateway Stepdown Transformer - 347V TO 120V

Notes:

1　900 MHz Devices are MTO (Made To Order) - Contact Customer Service for Availability

2　Cellular service plan not included

DIMENSIONS

.56" (14.29mm)

8.72" (221.49mm)

10.50" (266.70mm)

10" (254mm)

.88" (22.23mm)

4.0" (101.6mm)

OPTIONAL BACK PANEL
0.100" (2.54) TH'K- ALUMINUM
0.075" (1.91) TH'K- WHITE STEEL & GALVANNEALED
0.125" (3.18) TH'K- FIBERGLASS

.10" (2.54mm)

4.12" (104.52mm)

5.21" (132.26mm)

WIRING DIAGRAM

Access Point Notes:

1　In order to access into the Gateway, the Gateway must be connected to power at all times and connected into the client's network.

2　Logging into the Gateway is done by using the wiSCAPE Software Suite via the clients network.

3　A Gateway is necessary when programming presets

Antenna

Normal Power

To Network

wiSCAPE Gateway - WIR-GATEWAY3

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