ECLYPSE™ Wi-Fi Adapter

Wi-Fi Adapter for the ECLYPSE Connected Controller Series

Overview

The ECLYPSE Wi-Fi Adapter enables an ECLYPSE Controller to wirelessly communicate on a Wi-Fi network. Its flexible architecture makes it usable as a Wi-Fi client and a Wi-Fi access point/hotspot.

Applications

The ECLYPSE Wi-Fi Adapter can be used to connect to or create a wireless network in a permanent installation. It can also be used to provide a control technician with connectivity through a Wi-Fi hotspot for programming, commissioning, and troubleshooting.

Features & Benefits

IP Wireless (Wi-Fi) Connection

The following types of Wi-Fi connections are possible when using the ECLYPSE Wi-Fi Adapter:

- ☐ Wi-Fi Client - Connection to the building's existing Wi-Fi network or to another controller's Wi-Fi Hotspot or Access Point.
- ☐ Wi-Fi Access Point - extending the building's wired IP network to your Wi-Fi Client devices.
- ☐ Wi-Fi Hotspot - your own wireless area network, for wireless communication between the controllers, or with a mobile device or laptop for configuration, commissioning and servicing.

Lower Installation Costs

When using the ECLYPSE Wi-Fi Adapter in a permanent installation, labor and material costs can be reduced by eliminating the need for Ethernet cables and the time associated with pulling those cables.

Product Specifications

Power Supply Input

Power Source —————————————————————————————— USB powered

Power Consumption ————————————————————————— 2.5W / 5VA

Communications

Supported Protocols ——————————————— IEEE 802.11b/g/n and 802.11s

Frequency Band ——————————————————————————————— 2.4GHz

Number of Connected Devices in Hotspot/Access Point Mode ————— 16 maximum

Encryption ——————————————————————— WPA2 (hotspot/access point)

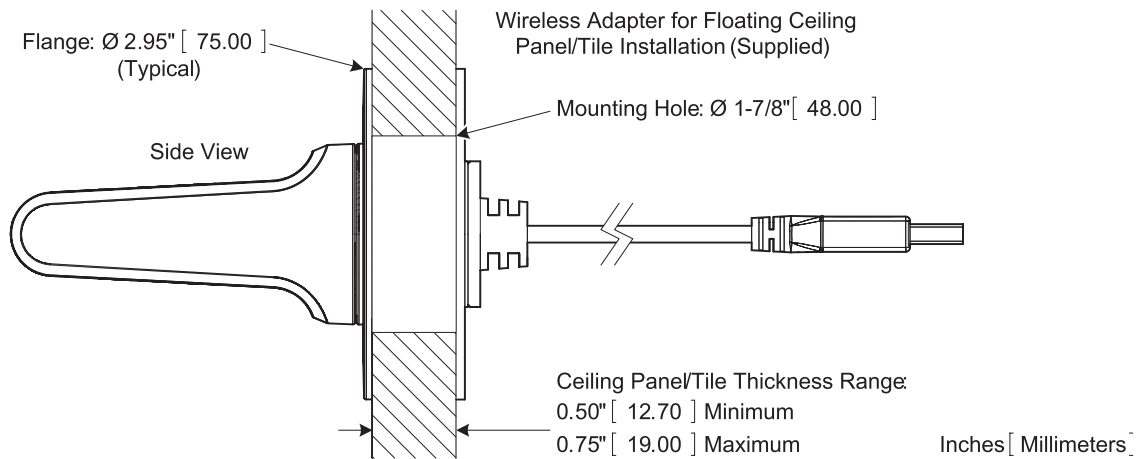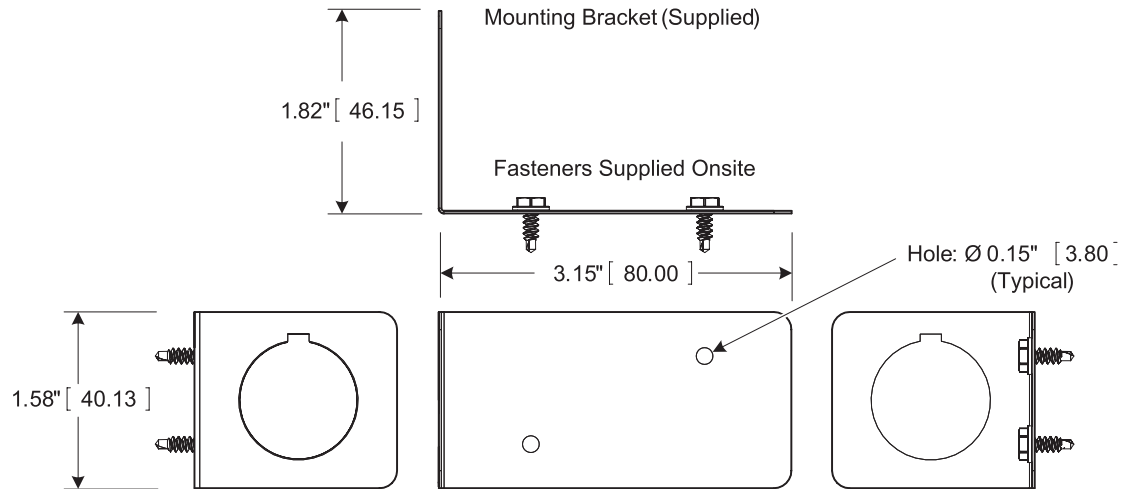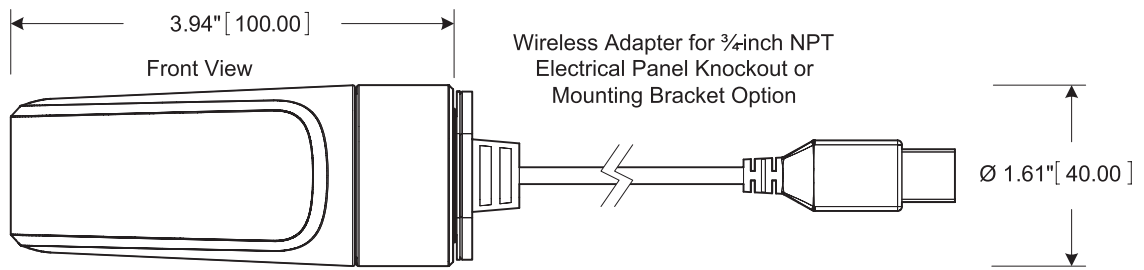Range, Unobstructed Line of Sight ————————————————— 50 feet typical

Hardware

Connector ————————————————————————————— USB Type A plug

Cable length —————————————————————————————— 6 feet (1.83m)

Mechanical

Dimensions ————————————————— 3.94 W × Ø 1.61" (100 × 40 mm)

3.94"[100.00]

Front View

Wireless Adapter for ¾-inch NPT
Electrical Panel Knockout or
Mounting Bracket Option

Ø 1.61"[40.00]

Mounting Bracket (Supplied)

1.82"[46.15]

Fasteners Supplied Onsite

Hole: Ø 0.15" [3.80]
(Typical)

3.15"[80.00]

1.58"[40.13]

Flange: Ø 2.95"[75.00]
(Typical)

Wireless Adapter for Floating Ceiling
Panel/Tile Installation (Supplied)

Mounting Hole: Ø 1-7/8"[48.00]

Side View

Ceiling Panel/Tile Thickness Range:
0.50"[12.70] Minimum
0.75"[19.00] Maximum

Inches[Millimeters]

Shipping Weight	0.4lbs (0.18kg)
Mounting Options:	
	Through a ¾-inch NPT electrical panel knockout
	Nominal Ø1.115" (26.9 to 32.5mm) hole size
	Mounting bracket installation option (supplied)
	Floating ceiling panel/tile installation option (supplied)
Enclosure Material	FR/ABS
Enclosure Rating[1]	Plastic housing, UL94-V0 flammability rating
	Plenum rating per UL1995

1. All materials and manufacturing processes comply with the RoHS directive and are marked according to the Waste Electrical and Electronic Equipment (WEEE) directive

Mounting Bracket Installation Option

Dimensions ————————————————— 3.15 W × 1.82 H × 1.58" D (80.00 × 46.15 × 40.13 mm)

Mounting Screw Hole Diameter ————————————————————— 0.15" Ø (3.80 mm)

Floating Ceiling Panel/Tile Installation Option

Dimensions:

☐ Flange Diameter ————————————————————————— Ø 2.95" (75 mm)

☐ Mounting Hole Diameter ————————————————————— Ø 1-7/8" (48 mm)

Environmental

Operating Temperature ————————————————— 32ºF to 122ºF (0ºC to 50ºC)

Storage Temperature ————————————————— -22ºF to 158ºF (-30ºC to 70ºC)

Relative Humidity ————————————————————— 0 to 90% Non-condensing

Ingress Protection Rating ——————————————————————————— IP20

Nema Rating ————————————————————————————————— 1

Standards and Regulations

FCC

CE

UL Listed (CDN & US)

ECY Wifi Adapter_DS_15_EN