HUBBELL Building Automation, Inc.

RJ45 Adapter

Installation Instructions

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DESCRIPTION
Hubbell Building Automation's RJ45 Adapter (**p/n RJ45ADAPTER**) is designed to be used with HBA low voltage occupancy and daylight sensors. The adapter replaces the Quick-To-Install™ (QTI) connectors used by the wiHUBB® and Zone5™ occupancy and daylight sensors and enables sensors to connect to HBA control modules (e.g. wiHUBB Smart Pack, Zone5 Control Module, etc) using standard CAT5 cable.

SPECIFICATIONS
- 4 Terminal Connections
  - Red: +24V
  - Blue: Occupancy Sensor Input
  - Yellow: Photocell/Daylight Sensor Input
  - Black: Common
- Plenum Rated

PRECAUTIONS
- Read and understand all instructions before beginning installation.

- **NOTICE:** For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.

- Confirm device ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.

- Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.

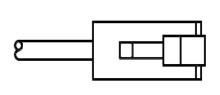- NOTICE: Do not install if product appears to be damaged.

INSTALLATION
1. Using a small blade controls screwdriver, connect wire leads from the sensor to the terminal block on the RJ45 Adapter as shown in Figure 1.

2. Insert RJ45 plug from a CAT5 cable into the adapter. Plug the other end of the cable into the RJ45 port on the HBA control module.

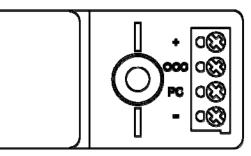3. (Optional) Adapter may be mounted using a zip tie (not included) or with a #8 or #10 mounting screw (not included).

NOTES
1. Longer CAT5 cable may be substituted for the 3" CAT5 cable included with the device. NOTE: When cutting CAT5 cable to specific lengths, the cable pin out is as follows:

Pin No.	Wire Color
1	WHITE with ORANGE STRIPE
2	ORANGE
3	WHITE with GREEN STRIPE
4	BLUE
5	WHITE with BLUE STRIPE
6	GREEN
7	WHITE with BROWN STRIPE
8	BROWN

2. Max cable length from sensor device(s) to HBA control module port should not exceed 300 ft.

3. Devices connected to the adapter should not exceed the limits as specified by the control module or the control module's port.

4. If a device currently has a QTI connector, cut the QTI connector off, trim the leads and connect the leads to the appropriate terminals on the adapter.
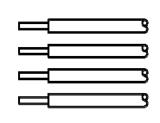
Figure 1: RJ45 Adapter Wiring Diagram / Terminal Connections

Symbol	Label Color	Description
+	Red	+24V
OCC	Blue	Occupancy Sensor Input
PC	Yellow	Photocell/Daylight Sensor Input
-	Black	Common