

# Installation Instructions

## eConnect<sup>®</sup> Sensor Hubs

The eConnect<sup>®</sup> Sensor Hubs are intelligent control modules that enable seamless integration of eConnect<sup>®</sup> Temp & Humidity Sensors, Door Control Sensors, and Leak Detectors with eConnect<sup>®</sup> PDUs. Designed for modular environmental monitoring, the Sensor Hub collects and manages real-time telemetry data from multiple sensors, providing centralized visibility into cabinet-level conditions.

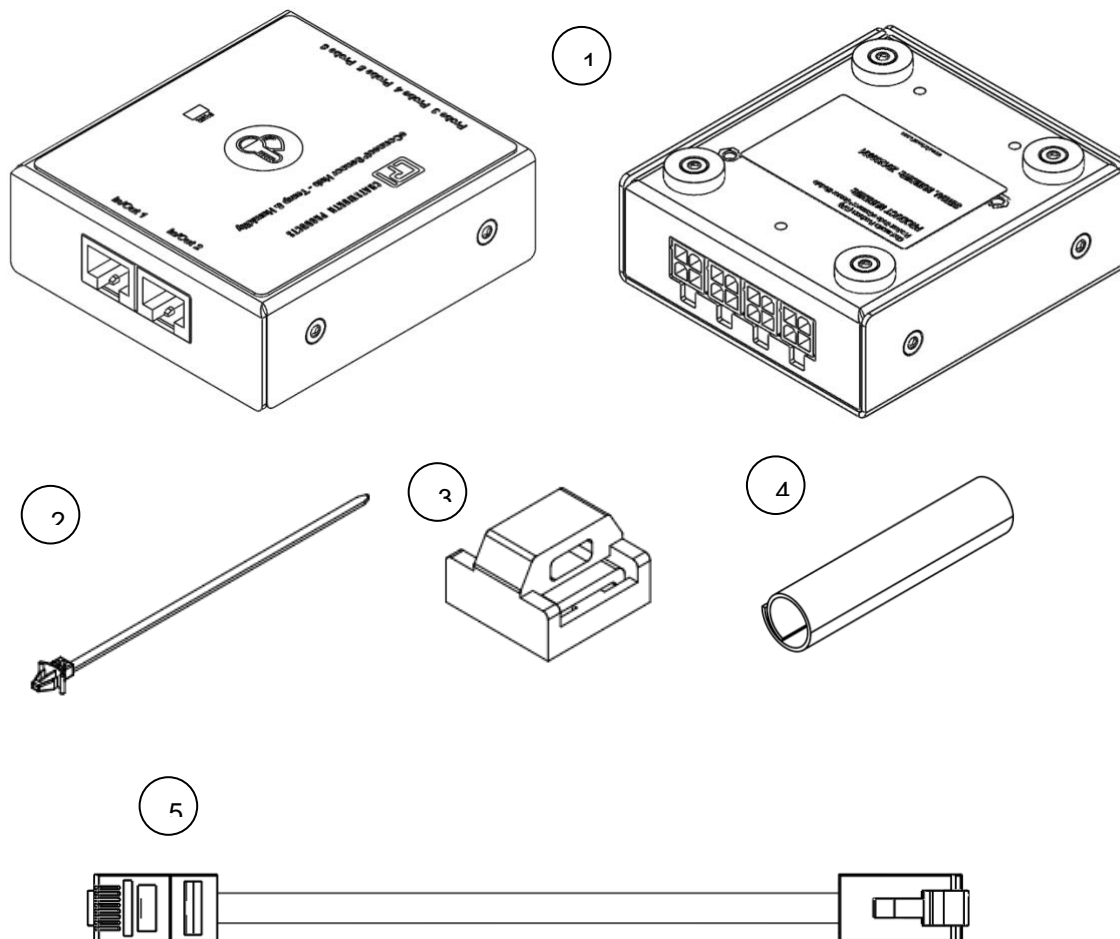
The eConnect<sup>®</sup> Sensor Hub features magnetic mounting hardware, allowing flexible placement anywhere within the cabinet.

#### Parts Provided:

- (1) eConnect<sup>®</sup> Sensor Hub
- (2) Push-mount cable ties
- (3) Magnetic cable tie mounts and cable ties (not pictured)
- (4) Cable wrap sleeve
- (5) Ethernet cables (1X 5ft and 1X 6in daisy chain)



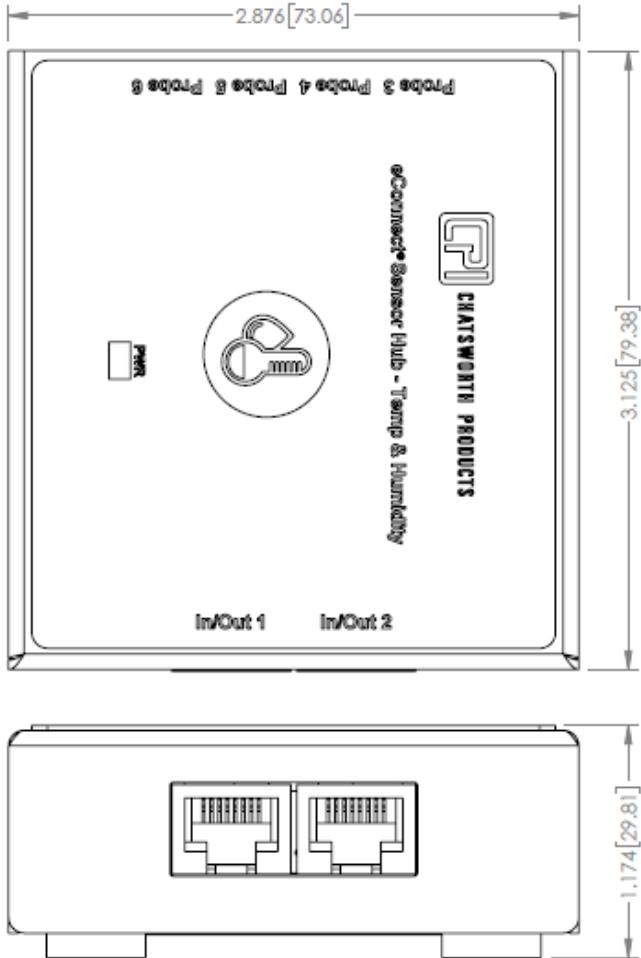
**NOTICE:** MINIMUM MCM FIRMWARE REQUIRED IS 5.4.1147.



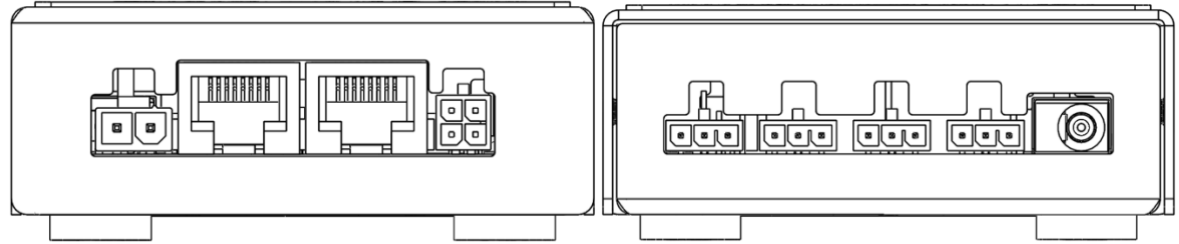
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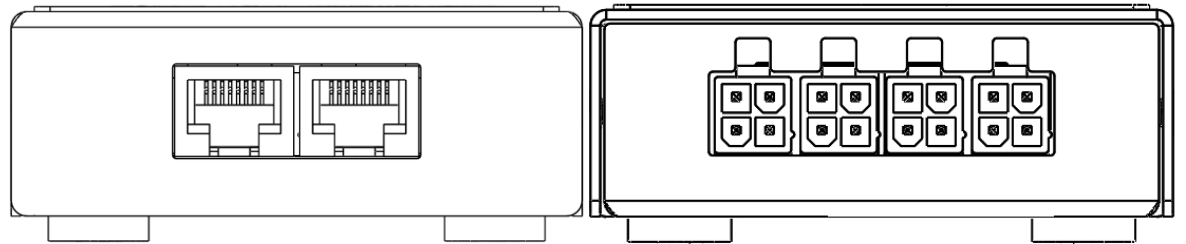
### COMPONENT SPECIFICATIONS:



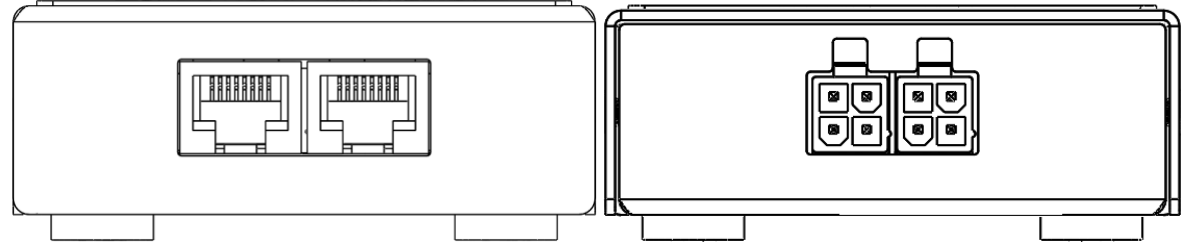
### DOOR, LIGHTS & ACCESS:



### TEMP & HUMIDITY:



### LEAK DETECTION:

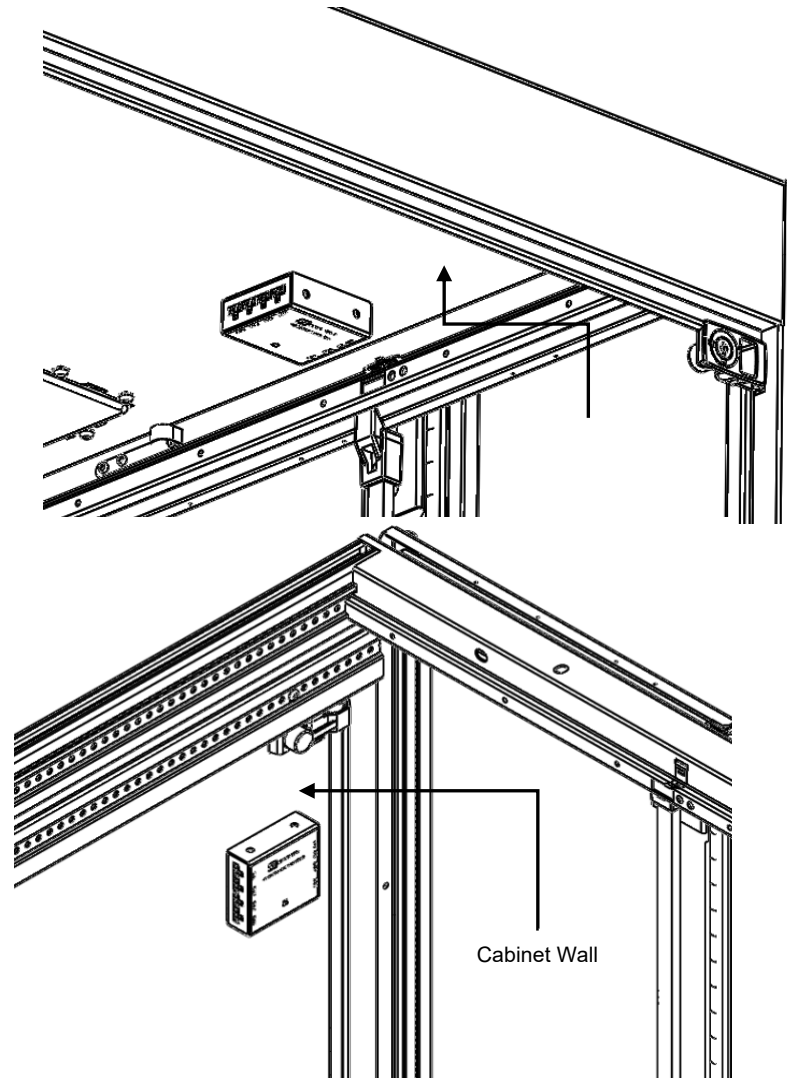


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### Module Magnetic Mounting:

- Ensure firmware is upgraded prior to installation of eConnect<sup>®</sup> Sensor Hubs. See Page 6 for firmware upgrade instructions.
- Ensure the eConnect<sup>®</sup> Sensor Hub is installed in a location compatible with the 5ft ethernet cables and PDUs. If required, use longer cables (not provided; standard 8P8P required).
- Mount on Cabinet (wall, ceiling, etc.) using the pre-installed magnets. Route cables using the magnetic mounting clips and/or cable ties provided.
- If installing several modules, mount side-by-side and daisy chain modules by connecting in "In/Out" ports using provided 6in cables.
- If mounting modules externally, ensure all cables routed through doors are protected with the *cable wrap sleeves* provided.

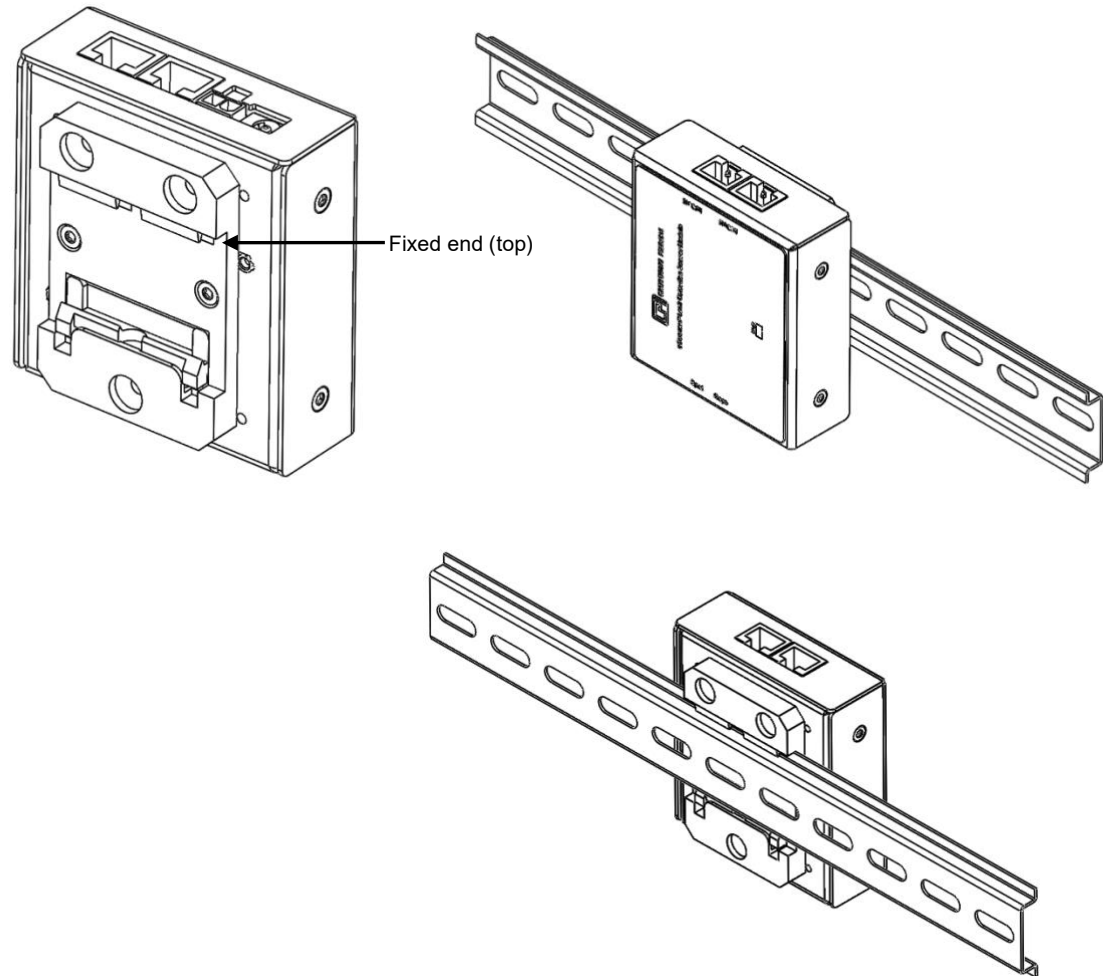


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### DIN Mount Module Option:

- If using DIN Rail mounted version, ensure the DIN rail is placed in a location where ethernet cables and sensors can be easily routed.
- Clip spring-loaded bracket (2) onto 35mm DIN rail. Module should be mounted with fixed end (non spring-loaded tab) on top. Pivot spring-loaded end first on the bottom and clip top tabs to rail.

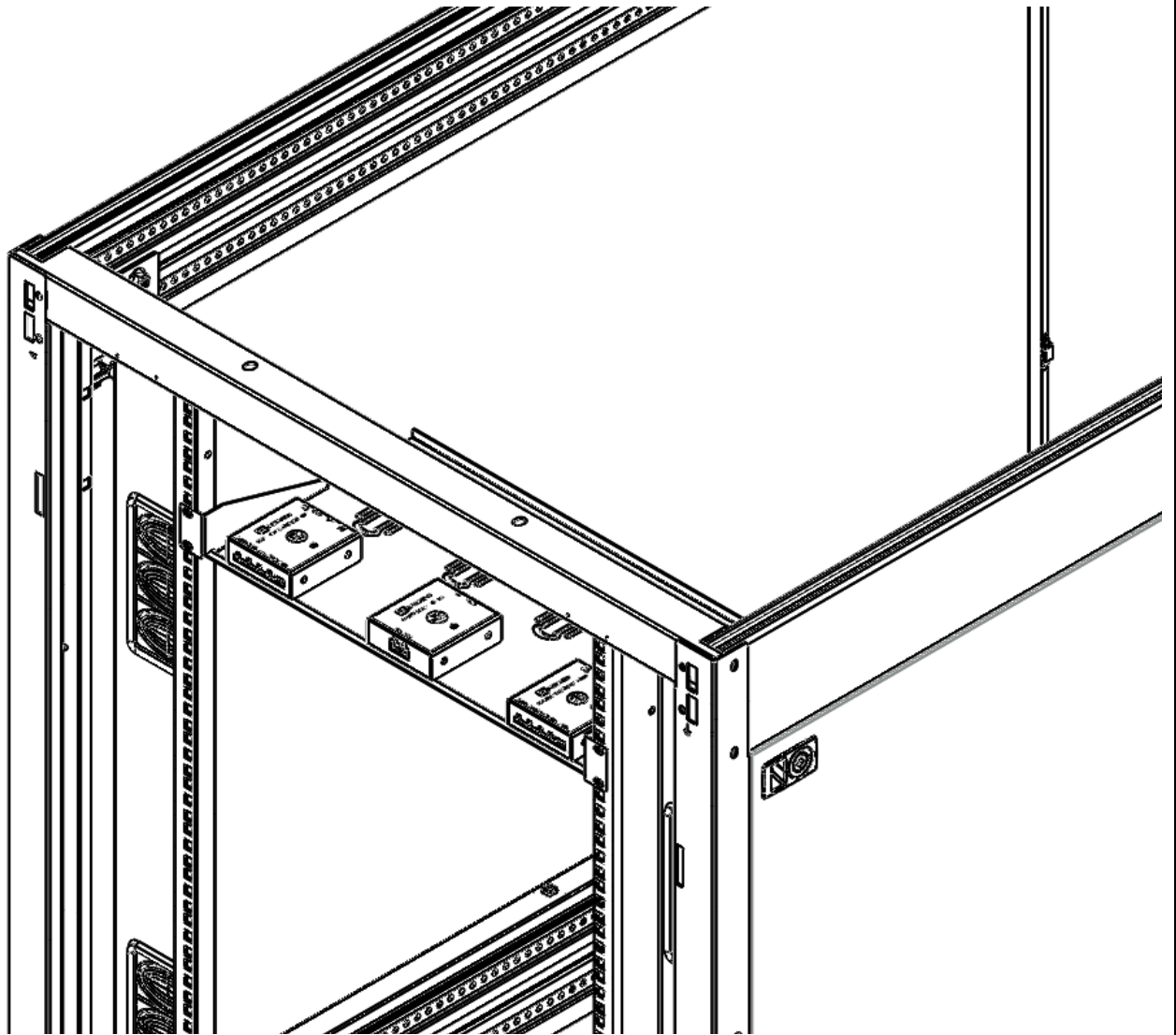


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### Optional 1U Shelf Mounting:

- If using 19" 1U mounting shelf accessory, select the preferred RMU location and secure the shelf onto the cabinet.
- Up to 5 modules can be placed onto one 1U shelf. Modules should be mounted with magnetic feet. Cables may be routed along attached cable spools.



# Installation Instructions

## eConnect<sup>®</sup> WebUI Setup

### EXTENDED SENSOR PLATFORM SETUP INSTRUCTIONS:

The following section will provide step-by-step instructions for the initial software configuration and setup required for the CPI extended sensor platform. Configuring the PDU's will require WebUI access. This can be accomplished either with direct Ethernet access to each PDU, or with Ethernet access to the Primary PDU of an eConnect SecureArray™ configuration. To complete the necessary software configuration, execute the following steps:

1. Plug in the end of Sensor Array into Aux 2 port of PDU.
  - a. If using a secondary PDU with array, plug other end of array into Aux 2 port of 2<sup>nd</sup> PDU.
2. Access the PDU's WebUI.
3. Navigate to the PDU's "Settings" tab.
  - a. The "PDU Settings" page will be shown.
4. Next to "Aux Port Usage:", select the "Extended Sensor Platform" radio button. A few configurable items will now be enabled, where they were previously disabled:
  - a. The "Controller Negotiation:" options will be enabled with the "Auto-Negotiation" option selected.
  - b. The "Lead Override" checkbox will be enabled, but not selected.
5. Click "Save".

All modules will now initialize and begin reading and reporting data.

### FW UPGRADE FUNCTIONALITY:

1. The Extended Sensor Platform has the capability to receive FW upgrades from the PDU WebUI.
2. To initiate a FW upgrade, first click on the "Administration" tab.
3. Next select the "Upgrade Firmware" page.
4. There will be a section at the bottom where a .bin file can be uploaded to upgrade the FW for all modules connected to that PDU.
  - a. This section will also display the current FW version that each module currently is running.
5. After FW upgrade is initiated, a progress bar will be present to display how far along the upgrade is.
6. After FW upgrade is completed, this section will update and display the new FW version for each module flashed.