

INSTALLATION GUIDE

HyperLite (7X-HS-C13W-X)

INTRODUCTION

HyperLite is a wall-mount thermostat. Its thoughtful design ensures that it blends into most commercial spaces while still giving a fresh and contemporary feel compared to dated building control interfaces.

PACKAGE CONTENTS

- HyperLite device
- Mounting accessories



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SPECIFICATIONS

Power	Power Source: 24V DC input over the two-wire power over RS485
Operating range	Temperature 32°F to 122°F (0°C to 50°C) Humidity 20-85% non-condensing.
Communication	Sensor bus for daisy chained sensor communication and low-power 3V dc. 4-wire interface for power and communication with the Connect Module 900-928 MHz Mesh IEEE 802.15.4-compliant, for communications to CCU Bluetooth: BLE 4.1 for commissioning, and communication to wireless sensors
Onboard Sensors	Temperature range of 32°F to 122°F with an accuracy of +/-1°F Humidity 0 to 100% with an accuracy of 2% CO2 sensor with a range of 0 - 40,000 ppm, accuracy of +/-30ppm Occupancy sensor based on passive infrared (PIR) with a detection range of 4m with a 15-degree angle. Light Sensor. Ambient light sensor • <100 LUX resolution • High-accuracy UV index sensor • Matches erythemal curve Sound sensor with 40-120dB response for 100Hz to 10KHz PM2.5, PM10 sensor (optional). Detection range of 0-1000µg/m3 and accuracy of +/-10µg/m3 (PM2.5, 0-100µg/m3) or +/-25µg/m3 (PM10, 0-100µg/m3). Maximum long-term mass concentration precision limit drift: <ul style="list-style-type: none">• 0 to 100 µg/m3 ±1.25 µg/m3/year• 100 to 1000 µg/m3 ±1.25 % mV/year
Inputs	Touch slider for temperature control along with 3 mechanical buttons
Outputs	2.8" 240x320 pixel TFT display
Storage Temperature	-14°F to 140°F (-10°C to 60°C)



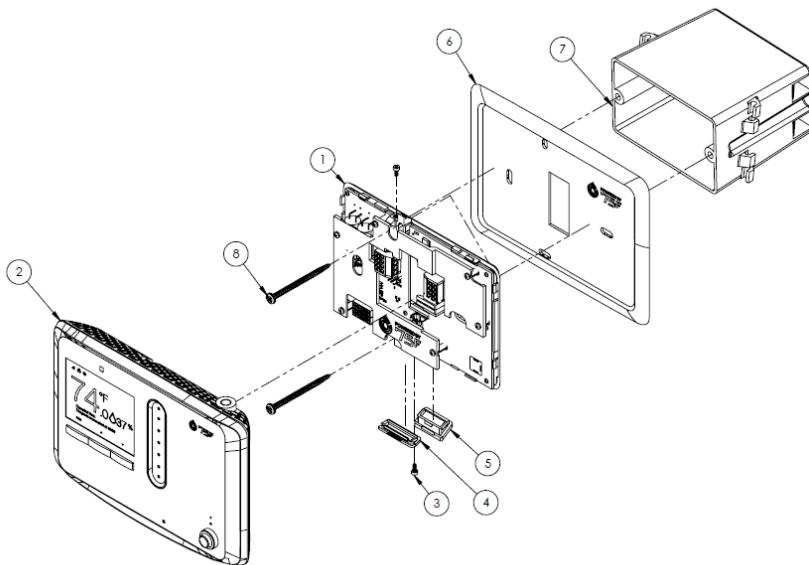
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PRECAUTIONS:

- Failure to wire devices with correct polarity when using a shared transformer, may result in damage to any device powered.
- Never connect or disconnect the wiring with the power ON.
- Do not allow the powered wires to touch the circuit boards.
- Always install complying with all state and local codes.
- Do not assemble the front to the back plate while it is powered on.
- Once Installed the HyperStat takes seven days to auto-calibrate and settles at a steady state value.
- Avoid mechanical stress on the CO2 sensor to get accurate readings.

MOUNTING



1. HyperLite Interface

2. HyperStat Main

3. Allen head screws

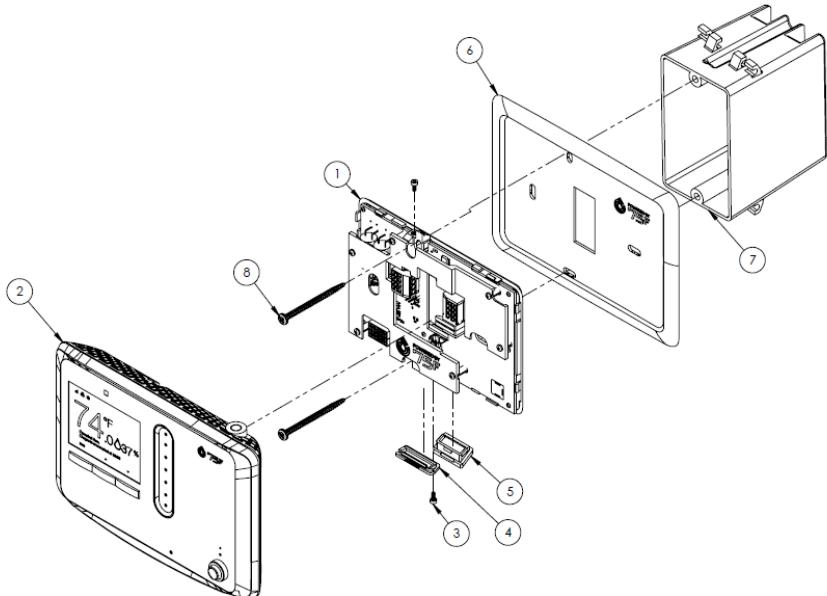
4. Rubber cover 1

5. Rubber cover 2

6. Gang Box

7. PHP screws

8. Backplate



1. HyperLite Interface

2. HyperStat Main

3. Allen head screws

4. Rubber cover 1

5. Rubber cover 2

6. Gang Box

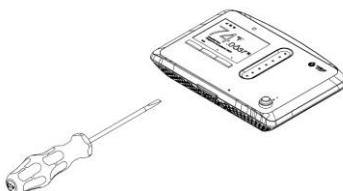
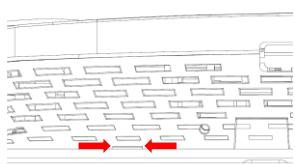
7. PHP screws

8. External Antenna

1. Place the HyperLite Interface and the back plate (only if the gang box is fixed vertically) on the gang box such that the back plate covers the gang box and fix these two items to the wall gang box with the PHP screws provided in the box.
2. Now align the HyperStat main to lock onto the HyperLite Interface.
3. Use the Allen head screws to make this entire setup tamper-proof.
4. Rubber covers 1 and 2 must be fixed to cover the programming pins.

DIS-ASSEMBLING

If the HyperLite is mounted on the wall, hold the front plastic with both hands and pull it away from the wall. If you are holding the HyperLite in your hands, insert a flat head screwdriver in the notch provided (marked by the two arrows shown in the image) between the front and back plastic and twist to separate them.



Note:

- Favorable for Pollution degree 2 or the equivalent
- Type action – Type 1.C
- The method of connection/disconnection for screwless terminals is mentioned in the article pointed by the QR label on the box.
- Terminal Identification – In the Operating Manual
- Rated impulse voltage – 330V
- Operating Ambient Temperature: 0°C to 50 °C
- Indoor Use Only
- Powered by Class 2 Power Source

75F TECHNICAL SUPPORT

Installations carried out by non-certified technicians/engineers would void warranty.

For more details on wiring, commissioning, and usage, refer the submittals or contact your local help center.

If you need more information, please visit support.75f.io for instructional videos, installation guides, and more. You can also call +1 888 612 7575 (USA) or 1800 121 4575 (INDIA) if you need technical support.

FCC Compliance Statement (USA)

Compliance Statements: This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including an interference that may cause undesired operation.



Caution Statements:

- Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate this equipment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the radiator and your body.

Industry Canada (IC) Compliance Statement

Compliance Statements: This device complies with Industry Canada license-exempt RSS standard(s). Operation is subject to the following two conditions: 1) This device may not cause interference., 2) This device must accept any interference, including interference that may cause undesired operation of the device.

Déclarations de conformité: Le présent appareil est conforme aux CNR d'Industrie Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes : (1) l'appareil ne doit pas produire de brouillage, et (2) l'utilisateur de l'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Caution Statements:

- This equipment complies with radio frequency exposure limits set forth by Industry Canada for an uncontrolled environment.
- This equipment should be installed and operated with a minimum distance of 20 cm between the device and the user or bystanders.

Déclarations de mise en garde:

- Cet équipement est conforme aux limites d'exposition aux radiofréquences définies par Industrie Canada pour un environnement non contrôlé.
- Cet équipement doit être installé et utilisé avec un minimum de 20 cm de distance dispositif et l'utilisateur ou des tiers.

INFORMATION TO THE USER

For Class A and Class B digital devices, information to the user is required to include the following statements (Section 15.105):

For a Class A digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

For a Class B digital device or peripheral, the instructions furnished to the user shall include the following or similar statement, placed in a prominent location in the text of the manual:

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.