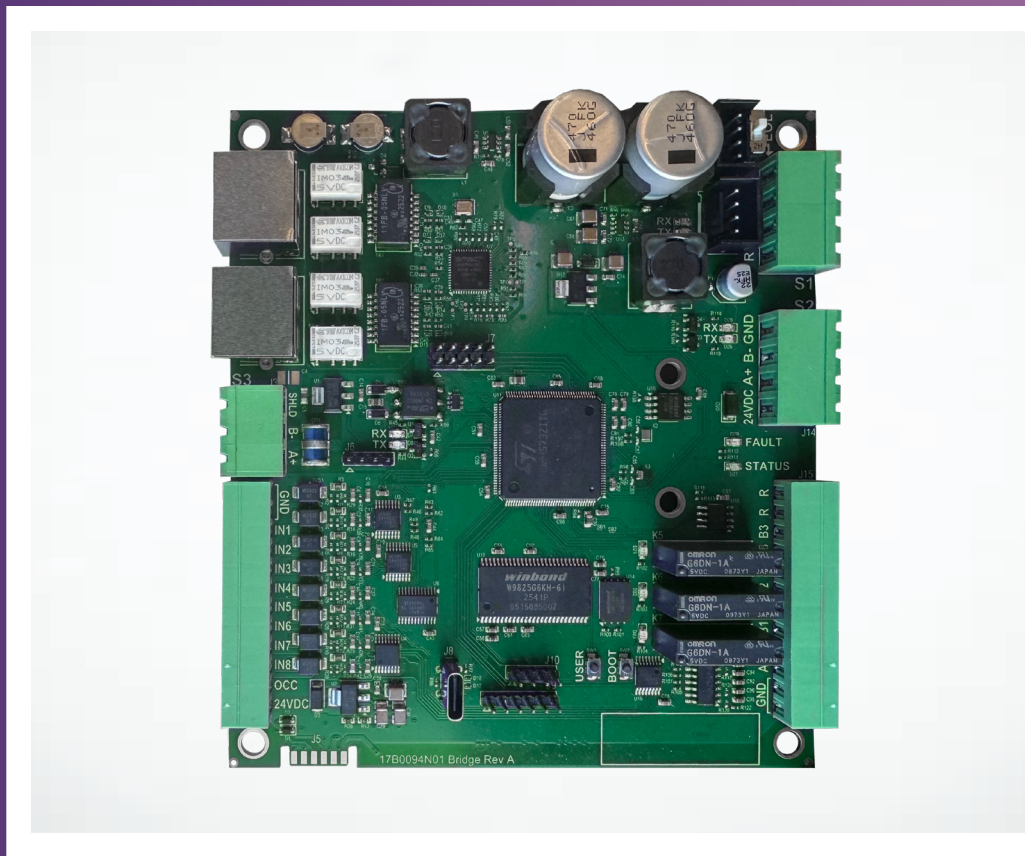


CLIMALINK EDGE INTEGRATION CONTROLS **APPLICATION, OPERATION & MAINTENANCE MANUAL**

Part#: 97B0186N01 | Revised: April 23, 2026



Model:
Edge

Table of Contents

| | |
|-----------|--|
| 3 | Overview |
| 5 | General Specifications |
| 6 | Layout and Connections |
| 7 | Communications |
| 8 | Additional Information |
| 9 | LED Codes |
| 10 | Manage ClimaLink Edge with the Wireless Service Tool |
| 11 | Sequence of Operation |
| 12 | Feature Configuration |
| 14 | Points Matrix |
| 14 | ClimaLink Edge (Diagnostic Readable Data) |
| 16 | Writable Data (BACnet) |
| 18 | 1st Unit/Circuit |
| 19 | 2nd Circuit |
| 20 | 2nd Unit |
| 21 | 3rd Unit |
| 22 | ClimaLink Sense Sensor (ASW030HOC) |
| 22 | Features |
| 23 | Specifications and Part Numbers |
| 24 | Frequently Asked Questions |
| 28 | Revision History |

ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 800-299-9747 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products.

The ClimaLink Edge integration control is designed to allow the integration of water-source heat pump equipment into DDC systems. The ClimaLink Edge has the ability to communicate through a choice of these widely used protocols:

- BACnet (Ethernet/IP or MS/TP)
- Modbus (RTU or TCP)

You can configure the protocol of choice using the Wireless Service Tool. This flexibility enables one controller, the Edge, to be used in a multitude of buildings which use any of these common protocols.

The Edge serves as a node of information processing between the heat pump and the DDC network. The Edge monitors the operation of the heat pump and communicates the operating parameters to the DDC network. The Edge always works in conjunction with a CXM2 or DXM2.6 controller, which also resides in the heat pump control box. The Edge can run in standalone operation as well as with the DDC network. The heat pump arrives at the job site with the factory-installed Edge control and is ready to run standalone and can be connected to the DDC network at any time.

FEATURES

System Controls

In conjunction with the a wall sensor, the Edge offers features such as:

- Room temperature sensing
- Local setpoint adjustment
- Local override into Occupied Mode
- LED for alarm status
- LED for fault status type
- Digital room temperature display

- Information from the wall sensors can be reported to the DDC network system
- Various combination sensors support temperature control, humidity control, CO₂ control, occupancy control, and VOC control
- Supports water-to-air application or water-to-water applications
- You can program the Edge with a 7-day schedule (BACnet only)
- Ability to operate in heating or cooling-only mode
- Ability to operate in full time electric or external heat mode
- Input for pressure switch for dirty filter notice applications
- Selectively support zone averaging using up to five communicating wall sensors.

Communications

- Multi-protocol communications provides DDC system flexibility
- Supports native BACnet Ethernet/IP or MS/TP communications (the ASHRAE standard protocol for interoperability)
- Supports Modbus RTU or TCP communications for integration into Modbus DDC networks
- Selectable baud rate levels offer flexible communications speeds of 9.6k, 19.2k, 38.4k, 76.8k, or 115.2k baud
- Supports remote updates when connected to a ClimaLink server
- Supports five communicating Modbus sensors or one analog sensor
- Supports the Wireless Service Tool for maintenance and configuration

Model:
Edge

Overview

Figure 1: Typical System - Water-to-Air Heat Pump

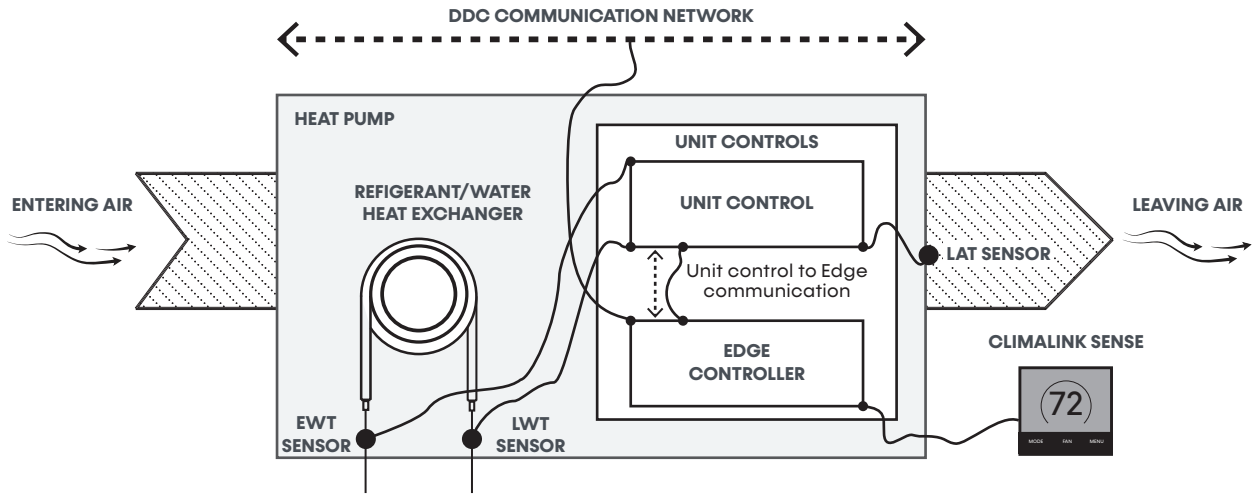
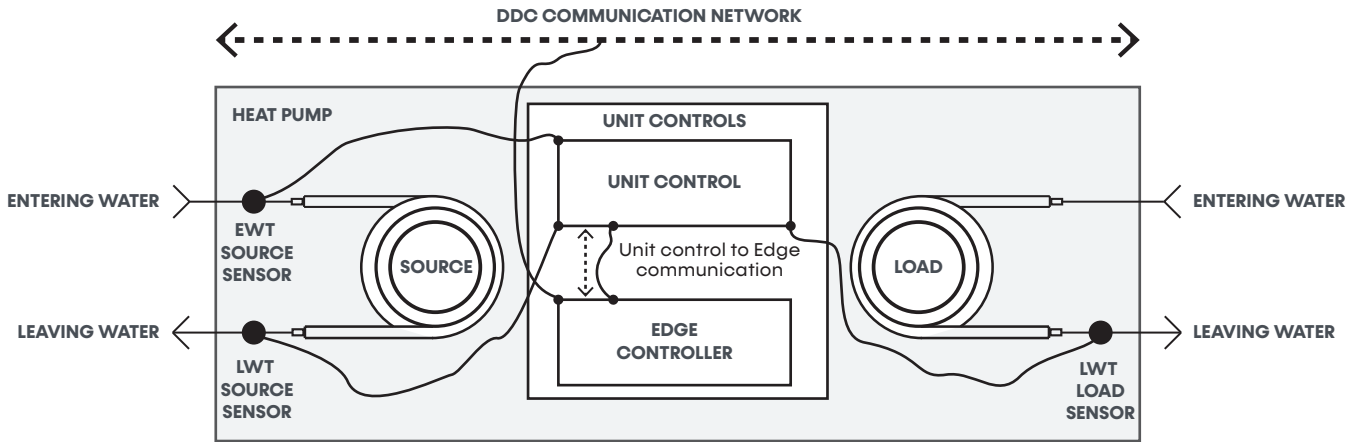


Figure 2: Typical System - Water-to-Water Heat Pump



Overview

General Specifications

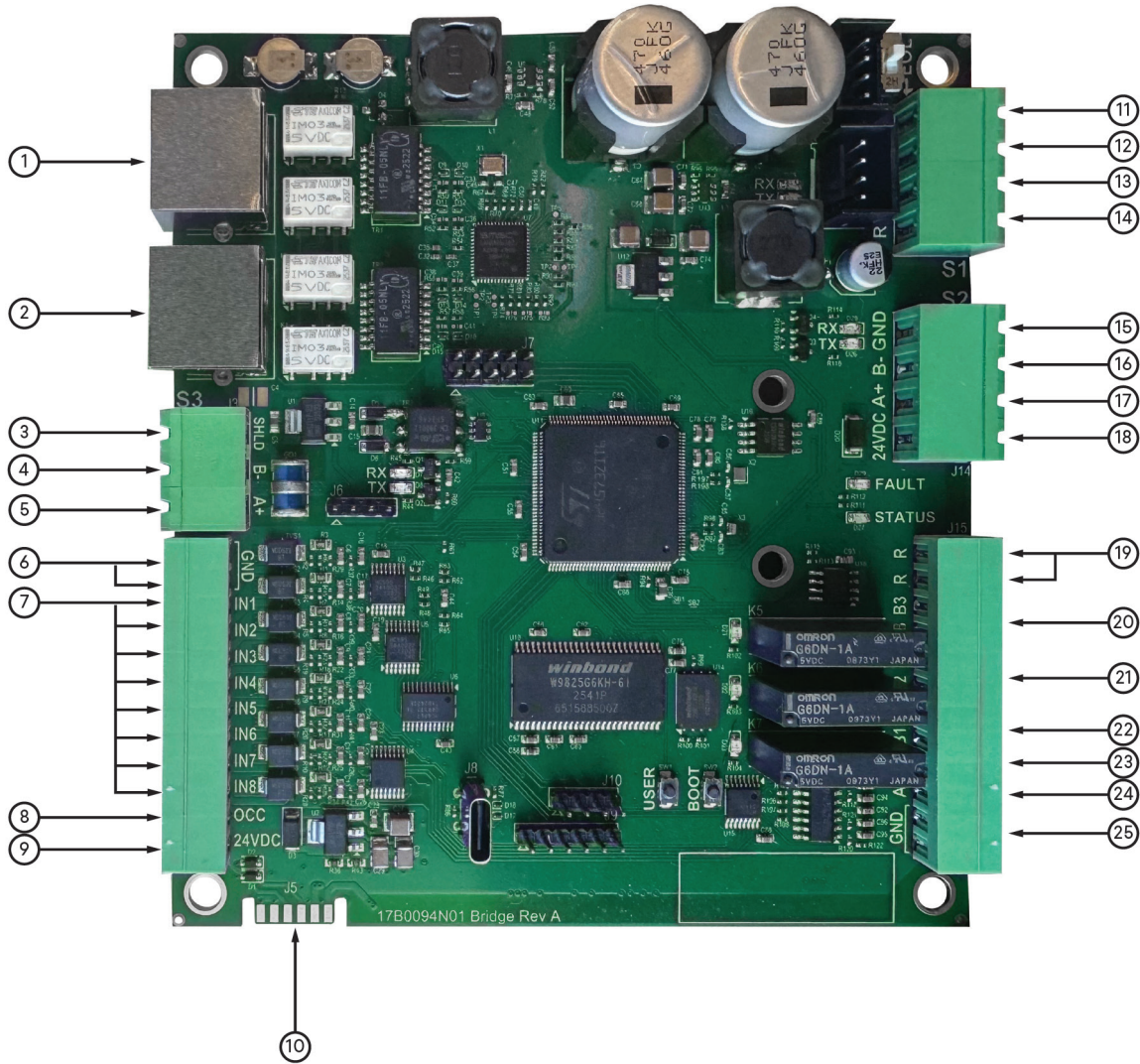
Model:
Edge

GENERAL SPECIFICATIONS

- **Power:** 24VAC \pm 15%, 50 or 60 Hz, 55VA max. power consumption
- **Size:** 5 $\frac{1}{16}$ inch (129 mm) width x 5 $\frac{1}{16}$ inch (144 mm) height x 1 $\frac{1}{2}$ inch (38 mm) minimum panel depth
- **Environmental:** -40-176°F (-40-80°C), up to 95% non-condensing
- **Protection:** Surge and Transient protection circuitry for the power and I/O. Isolation for communications port.
- **Processor/Memory:** High speed Cortex-M33 CPU running at 250MHz with 620 KB of SRAM and 2MB of built-in flash memory
- **LED Indicators:** Individual LEDs for each RS-485 port (digital outputs, power, run, error, transmit, and receive), Status LED, and Fault LED
- **I/O Point Count:**
 - Three on-board relays and two analog outputs (relays rated for 5A resistive at 24VAC, analog outputs rated 0-10V)
 - Eight universal inputs 0-10VDC, thermistor, dry contact, 0-20mA
 - One analog wall sensor port for a non-communicating wall sensor (via J4 Universal Input terminal block)
 - One digital wall sensor port for communicating wall sensors
- **Communications:** EIA-485 communications port using twisted pair. Available protocols are BACnet Ethernet IP or MS/TP, and Modbus RTU or TCP. The available baud rates are 9,600, 19.2k, 38.4k, 76.8k, and 115.2k.
- **ClimaLink Sense Communicating Wall Sensor (ASW030HOC):** The wall sensors provide room temperature, humidity, and CO₂ sensing with digital touchscreen display, local setpoint adjust, local override, LED for alarm status and fault type indication, and heat pump reset. The wall sensors require four wires.
- **Mounting:** Factory mounted.
- **Dimensions:** 5.125 inches in length by 4.650 inches in height.

Model:
Edge

Overview Layout and Connections



| ID | Description | Terminal Block |
|----|---------------------------------|----------------|
| 1 | ETH1 10/100 Ethernet RX/TX (J1) | J1 |
| 2 | ETH2 10/100 Ethernet RX/TX (J2) | J2 |
| 3 | Cable Shield (J3) | J3 |
| 4 | RS-485 Signal B (J3) | |
| 5 | RS-485 Signal A (J3) | |
| 6 | Power/Signal Common (J4) | J4 |
| 7 | Input 1-8 (J4) | |
| 8 | Occupancy Status Output (J4) | |
| 9 | 24VDC Output (J4) | |
| 10 | I/O Expansion (J5) | J5 |
| 11 | 24VAC Power Common | J13 |
| 12 | RS-485 Signal B | |
| 13 | RS-485 Signal A | |

| ID | Description | Terminal Block |
|----|--|----------------|
| 14 | 24VAC Power Input | J13 |
| 15 | Power Common | J14 |
| 16 | RS-485 Signal B | |
| 17 | RS-485 Signal A | |
| 18 | 24VDC Power Output (for communicating sensors) | J15 |
| 19 | 24VAC Outputs | |
| 20 | Binary Output 3 COM & NO | |
| 21 | Binary Output 2 COM & NO | |
| 22 | Binary Output 1 COM & NO | J15 |
| 23 | 0-10V Out 2 | |
| 24 | 0-10V Out 1 | |
| 25 | Power/Signal Common | J15 |

Overview Communications

Model:
Edge

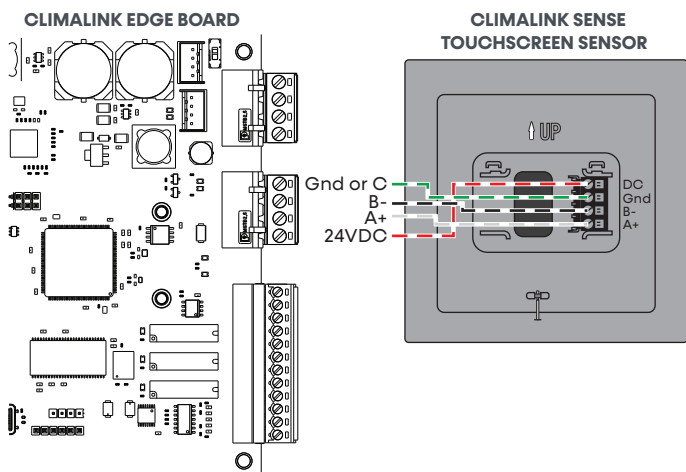
COMMUNICATIONS SELECTION

When the communications port is configured for RS-485 communications, use standard dedicated 18AWG - 22AWG twisted-pair wire.

COMMUNICATIONS WIRING

1. Ensure the module's power is off before wiring to the communications bus.
2. Check the network communication wiring for shorts and grounds.
3. Connect the communication wires and shield to the module's screw terminals. For an example, see the **Communication Wiring** figure. Be sure to follow the same polarity as the rest of the communications network.
4. Power up the module.
5. You can verify proper communication for all protocols and baud rates by ensuring the transmit (Tx) and receive (Rx) LEDs are active.

ClimaLink Edge to ClimaLink Sense Example Wiring



CONFIGURE PROTOCOL

The communications port on the Edge includes multi-protocol capability, which means you can configure the Edge to communicate via BACnet or Modbus communication protocols. The protocol configuration and baud rate are set through the Wireless Service Tool.

NOTE: ARC156 wiring is compatible only with BACnet protocol. RS-485 wiring is compatible with BACnet and Modbus protocols.

Figure 3: Communication Wiring



BACnet Setup

You can configure the Edge to communicate via BACnet IP or BACnet MS/TP.

Modbus Setup

You can select a baud rate from 115.2 kbps, 76.8 kbps, 57.6 kbps, 38.4 kbps, 19.2 kbps, or 9.6 kbps.

ADDRESSING AND POWER UP

You can set the device ID using the Wireless Service Tool.

NOTE: Set the address for heat pump #1 (HP-1) at 02 per typical BMS naming conventions. All other heat pump addresses should be assigned as HP# + 1.

Model:
Edge

Overview Additional Information

ADDITIONAL INFORMATION

Space Sensors

The Edge is designed to work with specific sensors. You may use the following sensors types:

- Analog (reference the **Analogue Sensors** table for input specifications)
- Communicating (reference the **Communicating Sensors** table for approved sensors)

The communicating sensor connection is on the right side (port S2) of the Edge and the analog sensor is on the lower left side (terminal block J4). Using communicating sensors allows for extra inputs into the Edge.

You can use the following diagnostic sensors:

- Temperature only
- Temperature and humidity
- Temperature, humidity, and CO₂

NOTE: You must configure each analog input using the Wireless Service Tool (WST) to define the corresponding minimum and maximum scale values. For example, you can scale a 0-10V temperature input to represent 50-95°F.

Retrofit Edge to Existing Units

You can add the Edge to any unit equipped with the CXM2 or DXM2.6 unit control running firmware version 2.06 and newer. A retrofit kit is available with the control, necessary wiring, and additional sensors.

- DXM2.6 Retrofit Kit (Part Number S17S0002N26U1)
- CXM2 Retrofit Kit (Part Number S17S0001N05U1)

iGate® 2 Communication

The iGate 2 functions are not available when the Edge is installed. You can connect the Wireless Service Tool directly to the DXM2.6 to access the control board functions.

Additional Inputs

All eight universal inputs are available for additional diagnostic sensor inputs when the communicating sensors are used. You can use any of the unused universal inputs for diagnostic sensor inputs for analog sensor applications.

The eight universal input terminals accept 0-10VDC, thermistor, dry contact signals, or 0-20mA inputs.

You can configure the Edge with a 7-day program schedule.

Table 1: Sensors

| Type | Manufacturer | Model/Series | Measured Variables | Output Types |
|---------------|----------------------------|---|---|---------------------------|
| Communicating | ClimateMaster | ASW008STP, AST008 | Temp | Thermistor |
| | BAPI | Quantum (BAPI-Stat) | Temp, RH, VOC, CO ₂ | Thermistor, 0-10V, 4-20mA |
| | BAPI | BAPI-Stat 4/Room Transmitters | Temp, RH | 4-20mA, 0-10V |
| | ACI | A/TT Room Series | Temp, RH, setpoint | 4-20mA, 1-5V, 2-10V |
| | ACI | A/RH1-R | Temp, RH | 0-5V, 0-10V, 4-20mA |
| | Veris | TWS Series | Temp + setpoint | 4-20mA, 0-5V, 0-10V |
| | Veris | HW2 Series (Temp/RH combo) | Temp, RH, setpoint | 0-10V, 4-20mA |
| | Dwyer | RHP/RHPLC/WHT Series | Temp, RH | 4-20mA, 0-10V |
| | Dwyer | BTT/Temp Transmitters | Temp | 4-20mA |
| | Generic (multiple vendors) | Passive Thermistor Sensors | Temp | Thermistor |
| Analogue | ClimateMaster | ClimaLink Sense (ASW030HOC) | Temp, RH, IAQ (CO ₂ /VOC variants) | |
| | Belimo | 22RTM-5U00D or 22RTH-5U00D Temp, RH, CO ₂ with Interface | Temp, RH, CO ₂ setpoint | |
| | Belimo | 22RTM-5U00A or 22RTH-5U00A Temp, RH, CO ₂ Sensor | Temp, RH, CO ₂ | |

LED Codes

Model:
Edge

LEDS

- **Receive (Rx):** lights when the communication port receives data
- **Transmit (Tx):** lights when the communication port transmits data

DIGITAL OUTPUT LEDES

There are three digital outputs on the Edge. You can custom configure all outputs to control external devices (5A resistive, 2A inductive at 24VAC).

Table 2: LED Status and Fault Codes

| Fault and Status LED Operation | Fault LED | Status LED |
|--|-----------------|------------|
| Control is non-operational | Off | Off |
| Normal operation - No active WSHP unit communications | On | On |
| Normal operation - With active WSHP unit communications | Very Slow Flash | On |
| Control is locked out | Fast Flash | -- |
| Control has an active alert | Slow Flash | -- |
| Board Initialization Active | -- | Fast Flash |
| Bootloader Mode Active | -- | Slow Flash |
| Missing communicating sensors (all) | Fast Flash | -- |
| Missing communicating sensor (discovered less than expected) | Slow Flash | -- |
| High temperature reading (user configured trip point) | Slow Flash | -- |
| Low temperature reading (user configured trip point) | Slow Flash | -- |
| High humidity reading (user configured trip point) | Slow Flash | -- |
| Low humidity (user configured trip point) | Slow Flash | -- |
| High CO ₂ (user configured trip point) | Slow Flash | -- |
| OOR temperature reading (single sensor) | Fast Flash | -- |
| OOR temperature reading (multiple sensors) | Slow Flash | -- |

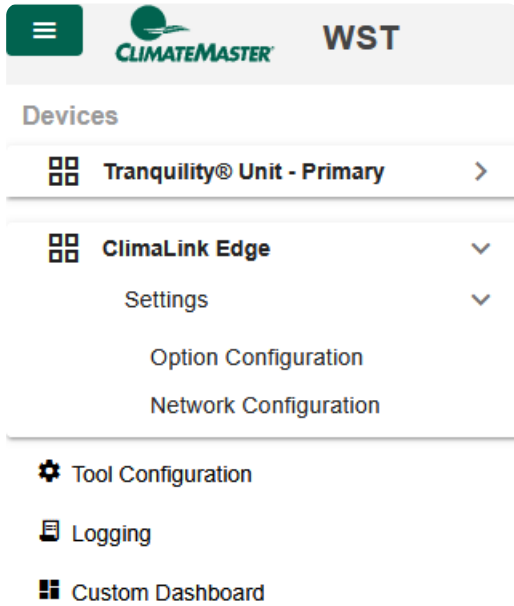
- Fast Flash = 2 flashes every 1 second
- Slow Flash = 1 flash every 2 seconds
- Very Slow Flash = 1 flash every 5 seconds

Model:
Edge

Manage ClimaLink Edge with the Wireless Service Tool

Manage the Edge using the Wireless Service Tool (WST) Web App. After accessing the WST's Web App, select **ClimaLink Edge**. The following screen displays:

Figure 4: WST Web App Menu



From the ClimaLink Edge menu, you can access the following:

- **Option Configuration**
- **Network Configuration**

Figure 5: Option Configuration

Option Configuration

Analog Sensor Present

Dirty Filter

Units

IP/MSTP

Communicating Sensor Baud Rate

In **Option Configuration**, you can configure the following:

- **Analog Sensor Present:** Set the status for an analog sensor
- **Dirty Filter:** Set either a physical dirty filter switch connected to the board or use a calculated dirty filter condition
- **Units:** Set the unit of measurement for temperature (Celsius or Fahrenheit)
- **IP/MS TP:** Set the BACnet protocol to either BACnet/IP or BACnet/MSTP
- **Communicating Sensor Baud Rate:** Set the sensor baud rate

Figure 6: Network Configuration

IP Address . . .

Subnet Mask . . .

Gateway . . .

BACnet MSTP Baud Rate

BACnet MSTP MAC Address

IP Port

Device ID

In **Network Configuration**, you can configure the following:

- **IP Address:** Set the IP address for BACnet/IP
- **Subnet Mask:** Set the subnet mask for BACnet/IP
- **Gateway:** Set the gateway for BACnet/IP
- **BACnet MSTP Baud Rate:** Set the baud rate for BACnet MSTP
- **BACnet MSTP MAC Address:** Set the MSTP MAC address
- **IP Port:** Set the BACnet/IP network port
- **Device ID:** Set the BACnet Device ID for the Edge

Sequence of Operation

Model:
Edge

OCCUPANCY

Occupancy is set through the communications network or a universal input configured for occupancy. The ClimaLink Sense sensors (ASW030HOC) indicate the occupancy status for each space.

TROUBLESHOOTING TIPS

If the BMS is having trouble communicating with the Edge, check the following items before contacting technical support.

- Ensure the Edge wiring is correct. Ensure all color codes match and that no wire strands are shorting over to other terminals.
- Ensure the Edge and other network controllers have power and are turned on. Ensure all equipment has power and LEDs lit.
- Ensure that all jumpers are set to default and that there is nothing jumped on the format pin.
- Validate the network configuration using the Wireless Service Tool.
 - A. Log in to the Wireless Service Tool Web App
 - B. Go to **ClimaLink Edge > Network Configuration**
- If the unit's configuration is incorrect, troubleshoot the issue by connecting the WST to the unit control then correct the unit's configuration in the Wireless Service Tool Web App.

STARTUP CHECK

1. Ensure the unit is powered up and running.
2. Check LED status using the **LED Status and Fault Codes** table for reference.
3. Power down the Edge and connect the WST and ASW communicating sensors. After installing the sensors, power the Edge back up.
4. Log in to the Wireless Service Tool Web Application
5. Go to **ClimaLink Edge > Option Configuration** and verify that the following options are set as desired:
 - Analog Sensor Present
 - Dirty Filter
 - Units
 - IP/MSTP
 - Communicating Sensor Baud Rate

Model:
Edge

Feature Configuration

- **Occupancy Settings:** These control points are used to set occupancy.
 - **Occupancy (BV:719):** This point controls whether the unit is in Occupied or Unoccupied Mode. It defaults to Occupied.
 - **Occupancy Override (BI:204):** Is a digital input that receives a signal from an external motion sensor to override occupancy status. For this to function, you must configure a universal input for occupancy.
 - **Occupancy Override Time (AV:730):** This point controls the duration of the override.
- **Communicating Sensor Setup:** The Edge is capable of connecting up to five communicating sensors. You can configure how the Edge uses the sensor readings with configuration options to use the average, minimum, or maximum.
 - **Communicating Sensor # Enable:** Enables the corresponding sensor for sensing and control.
 - **Communicating Sensor 1 (BV:707)**
 - **Communicating Sensor 2 (BV:708)**
 - **Communicating Sensor 3 (BV:709)**
 - **Communicating Sensor 4 (BV:710)**
 - **Communicating Sensor 5 (BV:711)**
 - **Multiple Sensor Configuration:** When multiple sensors of the same type (i.e. temperature, humidity, or CO₂) are installed, you can configure each sensor uniquely for the application. The Edge can use the average, maximum, or minimum of the sensor readings for control.
 - **Temperature Configuration (AV:911)**
 - **Humidity Configuration (BV:912)**
 - **CO₂ Configuration (BV:913)**
 - **Occupancy Configuration (BV:914)**
- **System Mode Setup:** For applications that require cooling only or heating only, use the following control points:
 - **Heating Mode Enabled (BV:703):** When Heating Mode is selected, Heating Mode is enabled. The default is checked. This allows Heating Mode to be disabled when cooling only is desired.
 - **Cooling Mode Enable (BV:704):** When Cooling Mode is selected, Cooling Mode is enabled. The default is checked. This allows Cooling Mode to be disabled when heating only is desired.
 - **Auto Mode Enable (BV:705):** When Auto Mode is selected, Auto Mode is enabled. Auto Mode is selected by default. This allows Auto Mode to be selected and the system to operate automatically between heating and cooling modes.
 - **Off Mode Enable (BV:712):** When Off Mode is selected, Off Mode is enabled. Off Mode is enabled by default. This allows the System mode to be set to Off at the sensor interface.
 - **Fan Mode Setup:** For applications that need continuous fan operation, use the following control point:
 - **Fan On Enable (BV:713):** When Fan On is selected, Continuous Fan mode is enabled. Continuous Fan mode is enabled by default. This allows the Fan mode to be set to ON at the sensor interface.
- **Manual Setpoint Adjust (AV:753):** Sets the maximum number of degrees the user can adjust the space setpoint at the wall sensor. Example: If Manual Setpoint Adjust = 2 and the System Mode Setpoint Temperature = 72°F, the user can adjust the temperature at the wall sensor between 70°F and 74°F.
- **Dirty Filter Detection Setup Options (AV:775):** The Edge control indicates a filter change is necessary based on run time, calendar time, or an air pressure sensor. You can change the default dirty filter indicator from the default of 1,500 hours.
 - **Dirty Filter Sensor (MSV:704):** Setting this point to 3 (Pressure Sensor) allows any of the Universal Inputs to function as pressure input. This requires a pressure switch on the output side of the return air filter (field supplied).

NOTE: If multiple inputs are configured for dirty filter sensor input, the Edge combines (OR) overrides all sensors' inputs.
- **Input Configuration:** You can use spare inputs for added features such as temperature monitoring or current switch sensing. See the *Layout and Connections* section for detailed information.

Feature Configuration

Model:
Edge

- **Leader/Follower Setup:** You can network up to three units so that they're controlled from a single Edge control. Reference the *Configuration and Advanced Troubleshooting* section in the unit control AOM for details on configuration.

Model:
Edge

Points Matrix

ClimaLink Edge (Diagnostic Readable Data)

ATTENTION

If custom points are required for your BMS application, please contact the factory.

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|-------------------------------|-----|----------------|------------|--------------|------------------|----------------|--------------|
| | | | Type | Edge (0-999) | Type | Multiplier | Edge (0-999) |
| Temperature Sensor High Alarm | R | | BI | 2 | DI | N/A | 10002 |
| Temperature Sensor Low Alarm | R | | BI | 3 | DI | N/A | 10003 |
| CO2 High Alarm | R | | BI | 4 | DI | N/A | 10004 |
| Humidity Sensor High Alarm | R | | BI | 5 | DI | N/A | 10005 |
| Humidity Sensor Low Alarm | R | | BI | 6 | DI | N/A | 10006 |
| Dirty Filter Alert | R | | BI | 7 | DI | N/A | 10007 |
| Local/Phys. Occ override | R | | BI | 203 | DI | N/A | 10203 |
| Occupancy Status | R | | BI | 204 | DI | N/A | 10204 |
| Aux Heating Active | R | | BI | 205 | DI | N/A | 10205 |
| Fan Active | R | | BI | 206 | DI | N/A | 10206 |
| EDGE Fault Code | R | | MSI | 1 | AI | 1.0 | 30001 |
| Active Operating Mode | R | | MSI | 201 | AI | 1.0 | 30201 |
| Active Humidity Control Mode | R | | MSI | 202 | AI | 1.0 | 30202 |
| Active Water Heating Mode | R | | MSI | 203 | AI | 1.0 | 30203 |
| Input UI 1 Status Format | R | | MSI | 204 | AI | 1.0 | 30204 |
| Input UI 2 Status Format | R | | MSI | 205 | AI | 1.0 | 30205 |
| Input UI 3 Status Format | R | | MSI | 206 | AI | 1.0 | 30206 |
| Input UI 4 Status Format | R | | MSI | 207 | AI | 1.0 | 30207 |
| Input UI 5 Status Format | R | | MSI | 208 | AI | 1.0 | 30208 |
| Input UI 6 Status Format | R | | MSI | 209 | AI | 1.0 | 30209 |
| Input UI 7 Status Format | R | | MSI | 210 | AI | 1.0 | 30210 |
| Input UI 8 Status Format | R | | MSI | 211 | AI | 1.0 | 30211 |
| Effective Space Temperature | R | °F | AI | 220 | AI | 10.0 | 30220 |
| Effective Space Humidity | R | % | AI | 221 | AI | 1.0 | 30221 |
| Effective Space CO2 | R | ppm | AI | 222 | AI | 1.0 | 30222 |
| Heat Setpoint (Actual) | R | °F | AI | 223 | AI | 10.0 | 30223 |
| Cool Setpoint (Actual) | R | °F | AI | 224 | AI | 10.0 | 30224 |
| Input UI 1 Status | R | Depends on cfg | AI | 225 | AI | Depends on cfg | 30225 |
| Input UI 2 Status | R | Depends on cfg | AI | 226 | AI | Depends on cfg | 30226 |
| Input UI 3 Status | R | Depends on cfg | AI | 227 | AI | Depends on cfg | 30227 |
| Input UI 4 Status | R | Depends on cfg | AI | 228 | AI | Depends on cfg | 30228 |
| Input UI 5 Status | R | Depends on cfg | AI | 229 | AI | Depends on cfg | 30229 |
| Input UI 6 Status | R | Depends on cfg | AI | 230 | AI | Depends on cfg | 30230 |
| Input UI 7 Status | R | Depends on cfg | AI | 231 | AI | Depends on cfg | 30231 |

Table continued on next page.

Points Matrix

ClimaLink Edge (Diagnostic Readable Data)

Model:
Edge

Table continued from previous page.

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|---------------------------|-----|----------------|------------|--------------|------------------|----------------|--------------|
| | | | Type | Edge (0-999) | Type | Multiplier | Edge (0-999) |
| Input UI 8 Status | R | Depends on cfg | AI | 232 | AI | Depends on cfg | 30232 |
| Comm Sensor 1 Temperature | R | °F | AI | 601 | AI | 10.0 | 30601 |
| Comm Sensor 1 Humidity | R | % | AI | 602 | AI | 1.0 | 30602 |
| Comm Sensor 1 CO2 | R | ppm | AI | 603 | AI | 1.0 | 30603 |
| Comm Sensor 2 Temperature | R | °F | AI | 604 | AI | 10.0 | 30604 |
| Comm Sensor 2 Humidity | R | % | AI | 605 | AI | 1.0 | 30605 |
| Comm Sensor 2 CO2 | R | ppm | AI | 606 | AI | 1.0 | 30606 |
| Comm Sensor 3 Temperature | R | °F | AI | 607 | AI | 10.0 | 30607 |
| Comm Sensor 3 Humidity | R | % | AI | 608 | AI | 1.0 | 30608 |
| Comm Sensor 3 CO2 | R | ppm | AI | 609 | AI | 1.0 | 30609 |
| Comm Sensor 4 Temperature | R | °F | AI | 610 | AI | 10.0 | 30610 |
| Comm Sensor 4 Humidity | R | % | AI | 611 | AI | 1.0 | 30611 |
| Comm Sensor 4 CO2 | R | ppm | AI | 612 | AI | 1.0 | 30612 |
| Comm Sensor 5 Temperature | R | °F | AI | 613 | AI | 10.0 | 30613 |
| Comm Sensor 5 Humidity | R | % | AI | 614 | AI | 1.0 | 30614 |
| Comm Sensor 5 CO2 | R | ppm | AI | 615 | AI | 1.0 | 30615 |
| Comm Sensor 3 Humidity | R | | AI | 608 | AI | 1.0 | 30608 |
| Comm Sensor 3 CO2 | R | | AI | 609 | AI | 1.0 | 30609 |
| Comm Sensor 4 Temperature | R | | AI | 610 | AI | 10.0 | 30610 |
| Comm Sensor 4 Humidity | R | | AI | 611 | AI | 1.0 | 30611 |
| Comm Sensor 4 CO2 | R | | AI | 612 | AI | 1.0 | 30612 |
| Comm Sensor 5 Temperature | R | | AI | 613 | AI | 10.0 | 30613 |
| Comm Sensor 5 Humidity | R | | AI | 614 | AI | 1.0 | 30614 |
| Comm Sensor 5 CO2 | R | | AI | 615 | AI | 1.0 | 30615 |

Model:
Edge

Points Matrix Writable Data (BACnet)

| Description | R/W | Units | Default | Min | Max | BACnet IDs | | Modbus Registers | | |
|------------------------------------|-----|---------|---------|-----|------|------------|-------------------|------------------|------------|---------------------|
| | | | | | | Type | System/Edge (200) | Type | Multiplier | System/Edge (0-999) |
| Units (C/F) | R/W | | 0 | 0 | 1 | BV | 701 | DO | N/A | 701 |
| Security Lockout | R/W | | 0 | 0 | 1 | BV | 702 | DO | N/A | 702 |
| Heat Mode allowed | R/W | | 0 | 0 | 1 | BV | 703 | DO | N/A | 703 |
| Cool Mode allowed | R/W | | 0 | 0 | 1 | BV | 704 | DO | N/A | 704 |
| Auto Mode allowed | R/W | | 0 | 0 | 1 | BV | 705 | DO | N/A | 705 |
| Off Mode allowed | R/W | | 0 | 0 | 1 | BV | 722 | DO | N/A | 722 |
| Fan On allowed | R/W | | 0 | 0 | 1 | BV | 723 | DO | N/A | 723 |
| Sensor (Analog/Comm) | R/W | | 0 | 0 | 1 | BV | 706 | DO | N/A | 706 |
| Communicating Sensor 1 Enable | R/W | | 0 | 0 | 1 | BV | 707 | DO | N/A | 707 |
| Communicating Sensor 2 Enable | R/W | | 0 | 0 | 1 | BV | 708 | DO | N/A | 708 |
| Communicating Sensor 3 Enable | R/W | | 0 | 0 | 1 | BV | 709 | DO | N/A | 709 |
| Communicating Sensor 4 Enable | R/W | | 0 | 0 | 1 | BV | 710 | DO | N/A | 710 |
| Communicating Sensor 5 Enable | R/W | | 0 | 0 | 1 | BV | 711 | DO | N/A | 711 |
| Fan Mode | R/W | | 0 | 0 | 1 | BV | 712 | DO | N/A | 712 |
| Fan Speed Enable | R/W | | 0 | 0 | 1 | BV | 713 | DO | N/A | 713 |
| Dehumidification Control Enable | R/W | | 0 | 0 | 1 | BV | 714 | DO | N/A | 714 |
| Humidification Control Enable | R/W | | 0 | 0 | 1 | BV | 715 | DO | N/A | 715 |
| BO 1 Output | R/W | | 0 | 0 | 1 | BV | 716 | DO | N/A | 716 |
| BO 2 Output | R/W | | 0 | 0 | 1 | BV | 717 | DO | N/A | 717 |
| BO 3 Output | R/W | | 0 | 0 | 1 | BV | 718 | DO | N/A | 718 |
| Network Override | R/W | | 0 | 0 | 1 | BV | 720 | DO | N/A | 720 |
| Dirty Filter Reset | R/W | | 0 | 0 | 1 | BV | 721 | DO | N/A | 721 |
| Emergency Shutdown (Network) | R/W | | 0 | 0 | 1 | BV | 802 | DO | N/A | 802 |
| System Fault Reset | R/W | | 0 | 0 | 1 | BV | 801 | DO | N/A | 801 |
| Temperature Sensor Alarm Reset | R/W | | 0 | 0 | 1 | BV | 920 | DO | N/A | 920 |
| Humidity Sensor Alarm Reset | R/W | | 0 | 0 | 1 | BV | 921 | DO | N/A | 921 |
| CO ₂ Sensor Alarm Reset | R/W | | 0 | 0 | 1 | BV | 922 | DO | N/A | 922 |
| Space Sensor Type | R/W | | 0 | 4 | 4 | MSV | 701 | AO | 1.0 | 40701 |
| System Mode | R/W | | 1 | 1 | 16 | MSV | 702 | AO | 1.0 | 40702 |
| Fan Speed | R/W | | 0 | 0 | 2 | MSV | 703 | AO | 1.0 | 40703 |
| Dirty Filter Mode | R/W | | 0 | 0 | 3 | MSV | 704 | AO | 1.0 | 40704 |
| Security PIN | R/W | | 0 | 0 | 9999 | AV | 750 | AO | 1.0 | 40750 |
| Sensor Quantity | R/W | | 0 | 0 | 5 | AV | 751 | AO | 1.0 | 40751 |
| Sensor Backlight Timeout | R/W | seconds | 45 | 0 | 180 | AV | 752 | AO | 1.0 | 40752 |
| Max User Temp Adjustment | R/W | °F | 5 | 0 | 10 | AV | 753 | AO | 1.0 | 40753 |
| Heat Setpoint (Occ) | R/W | °F | 70 | 60 | 99 | AV | 754 | AO | 10.0 | 40754 |
| Cool Setpoint (Occ) | R/W | °F | 73 | 48 | 90 | AV | 755 | AO | 10.0 | 40755 |
| Heat Setpoint (Unocc) | R/W | °F | 75 | 60 | 99 | AV | 756 | AO | 10.0 | 40756 |
| Cool Setpoint (Unocc) | R/W | °F | 78 | 48 | 90 | AV | 757 | AO | 10.0 | 40757 |
| Cool Min Setpoint | R/W | °F | 55 | 48 | 90 | AV | 758 | AO | 10.0 | 40758 |
| Heat Max Setpoint | R/W | °F | 88 | 60 | 99 | AV | 759 | AO | 10.0 | 40759 |

Table continued on next page.

Points Matrix Writable Data (BACnet)

Model:
Edge

Table continued from previous page.

| Description | R/W | Units | Default | Min | Max | BACnet IDs | | Modbus Registers | | |
|---|-----|-----------|---------|----------------|----------------|------------|-------------------|------------------|------------|---------------------|
| | | | | | | Type | System/Edge (200) | Type | Multiplier | System/Edge (0-999) |
| Humidification Setpoint (Occ) | R/W | % | 35 | 15 | depends on max | AV | 762 | AO | 1.0 | 40762 |
| Dehumidification Setpoint (Occ) | R/W | % | 50 | depends on min | 65 | AV | 763 | AO | 1.0 | 40763 |
| Humidification Setpoint (Unocc) | R/W | % | 35 | 15 | depends on max | AV | 764 | AO | 1.0 | 40764 |
| Dehumidification Setpoint (Unocc) | R/W | % | 50 | depends on min | 65 | AV | 765 | AO | 1.0 | 40765 |
| Dehumidification Min Setpoint | R/W | % | 35 | 35 | 45 | AV | 766 | AO | 1.0 | 40766 |
| Humidification Max Setpoint | R/W | % | 40 | 40 | 50 | AV | 767 | AO | 1.0 | 40767 |
| Cycles per Hour | R/W | | 4 | 0 | 6 | AV | 768 | AO | 1.0 | 40768 |
| Optimal Dehumidification Limit | R/W | °F | 2 | 0 | 2 | AV | 769 | AO | 1.0 | 40769 |
| Temperature Control Anticipator | R/W | | 3 | 0 | 9 | AV | 770 | AO | 1 | 40770 |
| AO 1 Output | R/W | VDC | 0 | 0 | 100 | AV | 771 | AO | 10.0 | 40771 |
| AO 2 Output | R/W | VDC | 0 | 0 | 100 | AV | 772 | AO | 10.0 | 40772 |
| Dirty Filter Interval time | R/W | 100 hours | 15 | 0 | 36 | AV | 775 | AO | 1.0 | 40775 |
| Dirty Filter Calendar time | R/W | 100 hours | 0 | 0 | 48 | AV | 776 | AO | 1.0 | 40776 |
| Occ Override Time | R/W | hours | 2 | 0.5 | 4 | AV | 780 | AO | 1.0 | 40780 |
| Effective Space Temperature | R/W | °F | 0 | -40 | 140 | AV | 781 | AO | 10.0 | 40781 |
| Effective Space Humidity | R/W | % | 0 | 0 | 100 | AV | 782 | AO | 1.0 | 40782 |
| Effective Space CO ₂ | R/W | ppm | 0 | 0 | 10000 | AV | 783 | AO | 1.0 | 40783 |
| Sensor 1 Temp Offset | R/W | °F | 0 | -5 | 5 | AV | 901 | AO | 10.0 | 40901 |
| Sensor 1 Hum Offset | R/W | % | 0 | -10 | 10 | AV | 902 | AO | 1.0 | 40902 |
| Sensor 2 Temp Offset | R/W | °F | 0 | -5 | 5 | AV | 903 | AO | 10.0 | 40903 |
| Sensor 2 Hum Offset | R/W | % | 0 | -10 | 10 | AV | 904 | AO | 1.0 | 40904 |
| Sensor 3 Temp Offset | R/W | °F | 0 | -5 | 5 | AV | 905 | AO | 10.0 | 40905 |
| Sensor 3 Hum Offset | R/W | % | 0 | -10 | 10 | AV | 906 | AO | 1.0 | 40906 |
| Sensor 4 Temp Offset | R/W | °F | 0 | -5 | 5 | AV | 907 | AO | 10.0 | 40907 |
| Sensor 4 Hum Offset | R/W | % | 0 | -10 | 10 | AV | 908 | AO | 1.0 | 40908 |
| Sensor 5 Temp Offset | R/W | °F | 0 | -5 | 5 | AV | 909 | AO | 10.0 | 40909 |
| Sensor 5 Hum Offset | R/W | % | 0 | -10 | 10 | AV | 910 | AO | 1.0 | 40910 |
| Multiple Temp. Sensor Configuration | R/W | | 0 | 0 | 3 | AV | 911 | AO | 1.0 | 40911 |
| Multiple Hum. Sensor Configuration | R/W | | 0 | 0 | 3 | AV | 912 | AO | 10.0 | 40912 |
| Multiple CO ₂ Sensor Configuration | R/W | | 0 | 0 | 3 | AV | 913 | AO | 1.0 | 40913 |
| Multiple Occ Input Configuration | R/W | | 0 | 0 | 1 | AV | 914 | AO | 1.0 | 40914 |
| High Temperature Sensor Trip Point | R/W | °F | 100 | 80 | 125 | AV | 915 | AO | 1.0 | 40915 |
| Low Temperature Sensor Trip Point | R/W | °F | 40 | 20 | 60 | AV | 916 | AO | 1.0 | 40916 |
| High Humidity Sensor Trip Point | R/W | % | 90 | 70 | 95 | AV | 917 | AO | 1.0 | 40917 |
| Low Humidity Sensor Trip Point | R/W | % | 10 | 5 | 30 | AV | 918 | AO | 1.0 | 40918 |
| High CO ₂ Sensor Trip Point | R/W | ppm | 1000 | 800 | 1500 | AV | 919 | AO | 1.0 | 40919 |

Model:
Edge

Points Matrix 1st Unit/Circuit

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|--|-----|-------|------------|--------------------------|------------------|------------|--------------------------|
| | | | Type | 1st Unit/Circuit (1000s) | Type | Multiplier | 1st Unit/Circuit (1000s) |
| Lockout Flag | R | | BI | 1001 | DI | N/A | 11001 |
| Physical ESD Input | R | | BI | 1301 | DI | N/A | 11301 |
| Physical Y1 Input | R | | BI | 1302 | DI | N/A | 11302 |
| Physical Y2 Input | R | | BI | 1303 | DI | N/A | 11303 |
| Physical W Input | R | | BI | 1304 | DI | N/A | 11304 |
| Physical O Input | R | | BI | 1305 | DI | N/A | 11305 |
| Physical G Input | R | | BI | 1306 | DI | N/A | 11306 |
| Physical OVR Input | R | | BI | 1307 | DI | N/A | 11307 |
| Physical H Input | R | | BI | 1308 | DI | N/A | 11308 |
| Physical NSB Input | R | | BI | 1309 | DI | N/A | 11309 |
| Alarm Relay Output | R | | BI | 1320 | DI | N/A | 11320 |
| Fan Relay (K1) Output | R | | BI | 1321 | DI | N/A | 11321 |
| Fan High (K2) Relay Output | R | | BI | 1322 | DI | N/A | 11322 |
| Reversing Valve Output | R | | BI | 1325 | DI | N/A | 11325 |
| Electric Heat Stage 1 Output | R | | BI | 1326 | DI | N/A | 11326 |
| Electric Heat Stage 2 Output | R | | BI | 1327 | DI | N/A | 11327 |
| Compressor Contactor Relay Output | R | | BI | 1328 | DI | N/A | 11328 |
| Compressor Contactor High Relay Output | R | | BI | 1329 | DI | N/A | 11329 |
| Active Unit Control Fault Code | R | | MSI | 1001 | AI | 1.0 | 31001 |
| FH1 code | R | | MSI | 1002 | AI | 1.0 | 31002 |
| FH2 code | R | | MSI | 1003 | AI | 1.0 | 31003 |
| FH3 code | R | | MSI | 1004 | AI | 1.0 | 31004 |
| FH4 code | R | | MSI | 1005 | AI | 1.0 | 31005 |
| FH5 code | R | | MSI | 1006 | AI | 1.0 | 31006 |
| ECM Target Airflow | R | CFM | AI | 1353 | AI | 1.0 | 31353 |
| VFD / EC Plug VDC | R | VDC | AI | 1355 | AI | 10.0 | 31355 |
| Leaving Air Temperature | R | °F | AI | 1358 | AI | 10.0 | 31358 |
| Source Loop Pump Speed | R | % | AI | 1361 | AI | 1.0 | 31361 |
| Load Loop Pump Speed | R | % | AI | 1363 | AI | 1.0 | 31363 |
| Source Modulating Valve Position | R | VDC | AI | 1364 | AI | 10.0 | 31364 |
| Source Entering Water Temperature | R | °F | AI | 1366 | AI | 10.0 | 31366 |
| Source Leaving Water Temperature | R | °F | AI | 1367 | AI | 10.0 | 31367 |
| Load Leaving Water Temperature | R | °F | AI | 1368 | AI | 10.0 | 31368 |

Points Matrix 2nd Circuit

Model:
Edge

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|--|-----|-------|------------|---------------------|------------------|------------|---------------------|
| | | | Type | 2nd Circuit (2000s) | Type | Multiplier | 2nd Circuit (2000s) |
| Lockout Flag | R | | BI | 2001 | DI | N/A | 12001 |
| Physical ESD Input | R | | BI | 2301 | DI | N/A | 12301 |
| Physical Y1 Input | R | | BI | 2302 | DI | N/A | 12302 |
| Physical Y2 Input | R | | BI | 2303 | DI | N/A | 12303 |
| Physical W Input | R | | BI | 2304 | DI | N/A | 12304 |
| Physical O Input | R | | BI | 2305 | DI | N/A | 12305 |
| Physical G Input | R | | BI | 2306 | DI | N/A | 12306 |
| Physical OVR Input | R | | BI | 2307 | DI | N/A | 12307 |
| Physical H Input | R | | BI | 2308 | DI | N/A | 12308 |
| Physical NSB Input | R | | BI | 2309 | DI | N/A | 12309 |
| Alarm Relay Output | R | | BI | 2320 | DI | N/A | 12320 |
| Fan Relay (K1) Output | R | | BI | 2321 | DI | N/A | 12321 |
| Fan High (K2) Relay Output | R | | BI | 2322 | DI | N/A | 12322 |
| Reversing Valve Output | R | | BI | 2325 | DI | N/A | 12325 |
| Electric Heat Stage 1 Output | R | | BI | 2326 | DI | N/A | 12326 |
| Electric Heat Stage 2 Output | R | | BI | 2327 | DI | N/A | 12327 |
| Compressor Contactor Relay Output | R | | BI | 2328 | DI | N/A | 12328 |
| Compressor Contactor High Relay Output | R | | BI | 2329 | DI | N/A | 12329 |
| Active Unit Control Fault Code | R | | MSI | 2001 | AI | 1.0 | 32001 |
| FH1 code | R | | MSI | 2002 | AI | 1.0 | 32002 |
| FH2 code | R | | MSI | 2003 | AI | 1.0 | 32003 |
| FH3 code | R | | MSI | 2004 | AI | 1.0 | 32004 |
| FH4 code | R | | MSI | 2005 | AI | 1.0 | 32005 |
| FH5 code | R | | MSI | 2006 | AI | 1.0 | 32006 |
| ECM Target Airflow | R | CFM | AI | 2353 | AI | 1.0 | 32353 |
| VFD / EC Plug VDC | R | VDC | AI | 2355 | AI | 10.0 | 32355 |
| Leaving Air Temperature | R | °F | AI | 2358 | AI | 10.0 | 32358 |
| Source Loop Pump Speed | R | % | AI | 2361 | AI | 1.0 | 32361 |
| Load Loop Pump Speed | R | % | AI | 2363 | AI | 1.0 | 32363 |
| Source Modulating Valve Position | R | VDC | AI | 2364 | AI | 10.0 | 32364 |
| Source Entering Water Temperature | R | °F | AI | 2366 | AI | 10.0 | 32366 |
| Source Leaving Water Temperature | R | °F | AI | 2367 | AI | 10.0 | 32367 |
| Load Leaving Water Temperature | R | °F | AI | 2368 | AI | 10.0 | 32368 |

Model:
Edge

Points Matrix 2nd Unit

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|--|-----|-------|------------|------------------|------------------|------------|------------------|
| | | | Type | 2nd Unit (3000s) | Type | Multiplier | 2nd Unit (3000s) |
| Lockout Flag | R | | BI | 3001 | DI | N/A | 13001 |
| Physical ESD Input | R | | BI | 3301 | DI | N/A | 13301 |
| Physical Y1 Input | R | | BI | 3302 | DI | N/A | 13302 |
| Physical Y2 Input | R | | BI | 3303 | DI | N/A | 13303 |
| Physical W Input | R | | BI | 3304 | DI | N/A | 13304 |
| Physical O Input | R | | BI | 3305 | DI | N/A | 13305 |
| Physical G Input | R | | BI | 3306 | DI | N/A | 13306 |
| Physical OVR Input | R | | BI | 3307 | DI | N/A | 13307 |
| Physical H Input | R | | BI | 3308 | DI | N/A | 13308 |
| Physical NSB Input | R | | BI | 3309 | DI | N/A | 13309 |
| Alarm Relay Output | R | | BI | 3320 | DI | N/A | 13320 |
| Fan Relay (K1) Output | R | | BI | 3321 | DI | N/A | 13321 |
| Fan High (K2) Relay Output | R | | BI | 3322 | DI | N/A | 13322 |
| Reversing Valve Output | R | | BI | 3325 | DI | N/A | 13325 |
| Electric Heat Stage 1 Output | R | | BI | 3326 | DI | N/A | 13326 |
| Electric Heat Stage 2 Output | R | | BI | 3327 | DI | N/A | 13327 |
| Compressor Contactor Relay Output | R | | BI | 3328 | DI | N/A | 13328 |
| Compressor Contactor High Relay Output | R | | BI | 3329 | DI | N/A | 13329 |
| Active Unit Control Fault Code | R | | MSI | 3001 | AI | 1.0 | 33001 |
| FH1 code | R | | MSI | 3002 | AI | 1.0 | 33002 |
| FH2 code | R | | MSI | 3003 | AI | 1.0 | 33003 |
| FH3 code | R | | MSI | 3004 | AI | 1.0 | 33004 |
| FH4 code | R | | MSI | 3005 | AI | 1.0 | 33005 |
| FH5 code | R | | MSI | 3006 | AI | 1.0 | 33006 |
| ECM Target Airflow | R | CFM | AI | 3353 | AI | 1.0 | 33353 |
| VFD / EC Plug VDC | R | VDC | AI | 3355 | AI | 10.0 | 33355 |
| Leaving Air Temperature | R | °F | AI | 3358 | AI | 10.0 | 33358 |
| Source Loop Pump Speed | R | % | AI | 3361 | AI | 1.0 | 33361 |
| Load Loop Pump Speed | R | % | AI | 3363 | AI | 1.0 | 33363 |
| Source Modulating Valve Position | R | VDC | AI | 3364 | AI | 10.0 | 33364 |
| Source Entering Water Temperature | R | °F | AI | 3366 | AI | 10.0 | 33366 |
| Source Leaving Water Temperature | R | °F | AI | 3367 | AI | 10.0 | 33367 |
| Load Leaving Water Temperature | R | °F | AI | 3368 | AI | 10.0 | 33368 |

Points Matrix 3rd Unit

Model:
Edge

| Description | R/W | Units | BACnet IDs | | Modbus Registers | | |
|--|-----|-------|------------|------------------|------------------|------------|------------------|
| | | | Type | 2nd Unit (3000s) | Type | Multiplier | 2nd Unit (3000s) |
| Lockout Flag | R | | BI | 4001 | DI | N/A | 14001 |
| Physical ESD Input | R | | BI | 4301 | DI | N/A | 14301 |
| Physical Y1 Input | R | | BI | 4302 | DI | N/A | 14302 |
| Physical Y2 Input | R | | BI | 4303 | DI | N/A | 14303 |
| Physical W Input | R | | BI | 4304 | DI | N/A | 14304 |
| Physical O Input | R | | BI | 4305 | DI | N/A | 14305 |
| Physical G Input | R | | BI | 4306 | DI | N/A | 14306 |
| Physical OVR Input | R | | BI | 4307 | DI | N/A | 14307 |
| Physical H Input | R | | BI | 4308 | DI | N/A | 14308 |
| Physical NSB Input | R | | BI | 4309 | DI | N/A | 14309 |
| Alarm Relay Output | R | | BI | 4320 | DI | N/A | 14320 |
| Fan Relay (K1) Output | R | | BI | 4321 | DI | N/A | 14321 |
| Fan High (K2) Relay Output | R | | BI | 4322 | DI | N/A | 14322 |
| Reversing Valve Output | R | | BI | 4325 | DI | N/A | 14325 |
| Electric Heat Stage 1 Output | R | | BI | 4326 | DI | N/A | 14326 |
| Electric Heat Stage 2 Output | R | | BI | 4327 | DI | N/A | 14327 |
| Compressor Contactor Relay Output | R | | BI | 4328 | DI | N/A | 14328 |
| Compressor Contactor High Relay Output | R | | BI | 4329 | DI | N/A | 14329 |
| Active Unit Control Fault Code | R | | MSI | 4001 | AI | 1.0 | 34001 |
| FH1 code | R | | MSI | 4002 | AI | 1.0 | 34002 |
| FH2 code | R | | MSI | 4003 | AI | 1.0 | 34003 |
| FH3 code | R | | MSI | 4004 | AI | 1.0 | 34004 |
| FH4 code | R | | MSI | 4005 | AI | 1.0 | 34005 |
| FH5 code | R | | MSI | 4006 | AI | 1.0 | 34006 |
| ECM Target Airflow | R | CFM | AI | 4353 | AI | 1.0 | 34353 |
| VFD / EC Plug VDC | R | VDC | AI | 4355 | AI | 10.0 | 34355 |
| Leaving Air Temperature | R | °F | AI | 4358 | AI | 10.0 | 34358 |
| Source Loop Pump Speed | R | % | AI | 4361 | AI | 1.0 | 34361 |
| Load Loop Pump Speed | R | % | AI | 4363 | AI | 1.0 | 34363 |
| Source Modulating Valve Position | R | VDC | AI | 4364 | AI | 10.0 | 34364 |
| Source Entering Water Temperature | R | °F | AI | 4366 | AI | 10.0 | 34366 |
| Source Leaving Water Temperature | R | °F | AI | 4367 | AI | 10.0 | 34367 |
| Load Leaving Water Temperature | R | °F | AI | 4368 | AI | 10.0 | 34368 |

Model:
Edge

ClimaLink Sense Sensor (ASW030HOC) Features

ClimaLink Sense sensors are wall-mounted temperature, humidity, and CO₂ sensors for use with the Edge controller on water-to-air units. ASW sensors support the following features:

- Room temperature sensing
- Color touchscreen display
- Lockout notification
- Fault information
- Occupancy status

ClimaLink Sense sensors provide a distinguished look for building architects and engineers. ClimaLink Sense sensors are suitable for direct wall or electrical box mounting, resulting in easily made terminations at the screw terminal block located on the wall sensor's backplate using 4-wire connections. Field technicians can easily troubleshoot ClimaLink Sense sensors to determine if they are operating properly.

The ClimaLink Sense displays zone temperature, system mode, heating and cooling setpoints, humidity, and CO₂.

ClimaLink Sense



ClimaLink Sense Sensor (ASW030HOC) Specifications and Part Numbers

Model:
Edge

SENSOR SPECIFICATIONS

Temperature: 50-104°F (10-40°C) ±0.5°F (0.3°C)

Humidity: 20-80% ±2% typical

CO₂:

- 400-1,250 PPM ±30 PPM or ±3% (the greater of the two)
- 1,250-2,000 PPM ±5% of reading plus 30 PPM

Power Requirements, Sensor Type, and Power Required:

- 24VDC @ 15mA (idle) to 190mA (CO₂ measurement cycle)

Power Supply: The Edge control supplies the communicating sensor network with 24VDC @ 250mA.

Communication: 9.6 kbps Modbus communication between sensor(s) and controller five sensors max per communication sensor network

Environmental Operating Range: 32°F to 122°F (0°C - 50°C), 10% to 90% relative humidity, non-condensing

Mounting Dimensions: Standard 4" x 2" electrical box using provided 5/32" x 1/2" mounting screws

• **Overall Dimensions:**

- Width: 3.38" (8.58 cm)
- Height: 3.38" (8.58 cm)
- Depth: 0.75" (1.91 cm)

INSTALLATION

Use the QR code below to see the ClimaLink Sense Quick Start Guide for installation instructions.



Model:
Edge

Frequently Asked Questions

Q. Can I use another sensor besides the ASW?

A. You can connect a 10k type 2 temperature thermistor to the input terminals.

Q. Why isn't my unit communicating on the network?

A. Verify that all baud rates, protocol, and communication selections are correct. Then verify that the Tx and/or Rx LEDs are flickering. Ensure that the addressing is correct, unique, and not sharing a same address as another controller.

Q. Can a thermostat be used with Edge?

A. Yes, you can wire a thermostat to the heat pump's unit control. In this scenario, the Edge functions as a gateway. Configure the Space Sensor Type option for NONE.

Q. What type/size of wire do ASW sensors require?

A. A typical 18-22 gauge thermostat cable is suitable. ClimaLink Sense requires a 4-wire connection.

Q. Is temperature averaging available?

A. Yes, using the communicating sensors. Up to five sensors may be daisy chained. Address each ClimaLink Sense with a unique address.

Notes

Model:
Edge

Model:
Edge

Notes

Notes

Model:
Edge

Model:
Edge

Revision History

| Date: | Section | Action: |
|----------|---------|---------|
| 04/23/26 | All | Created |



ClimateMaster works continually to improve its products. As a result, the design and specifications of each product at the time of order may be changed without notice and may not be as described herein. Please contact ClimateMaster's Customer Service Department at 800-299-9747 for specific information on the current design and specifications. Statements and other information contained herein are not express warranties and do not form the basis of any bargain between the parties, but are merely ClimateMaster's opinion or commendation of its products. The latest version of this document is available at www.climatemaster.com.

Engineered and assembled in the USA.

© ClimateMaster, Inc. All Rights Reserved 2026