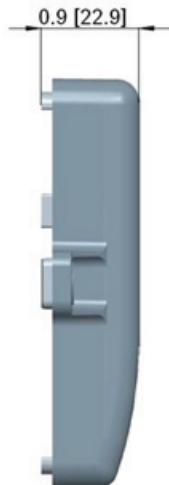
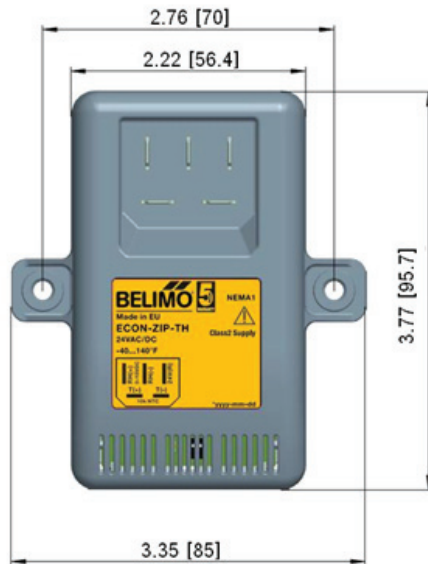


71414-00001\_B

# ECON-ZIP-TH, ZIP Economizer™ Temperature & Humidity Sensor



### Dimensions in Inches [mm]



### Installation

Avoid mounting in areas where acid fumes or other deteriorating vapors can disintegrate the metal parts of the module's circuit board, or in areas where escaping gas or other explosive vapors are present.

You must mount the sensor in a position that will allow for proper clearance for installation, servicing, wiring, and removal.

Using the dimensions as a reference, mount the Temperature and Humidity Sensor on the outside of the dampers to measure outside temperature and humidity, or inside the return air duct to measure the return temperature and humidity. If mounted outside, the sensor must be placed within hood behind the outdoor air filter. It needs to be protected from direct exposure to water (snow/rain) and direct exposure to sunlight (UV radiation).

The orientation of the sensor is critical to ensure optimal performance. (Please see figures on recommended orientation.)

Ensure the orientation matches an approved orientation before securing with #8 self-tapping screws (included in kit).

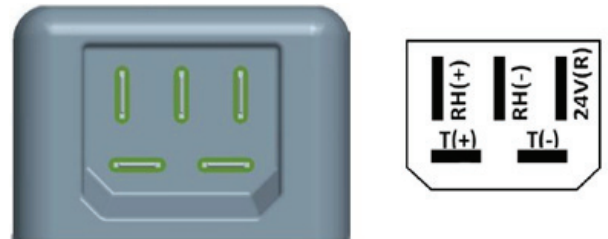
The electrical connection needs to be wired using appropriate insulated spade connectors, ¼" female, according to the wiring diagram.

## ECON-ZIP-TH

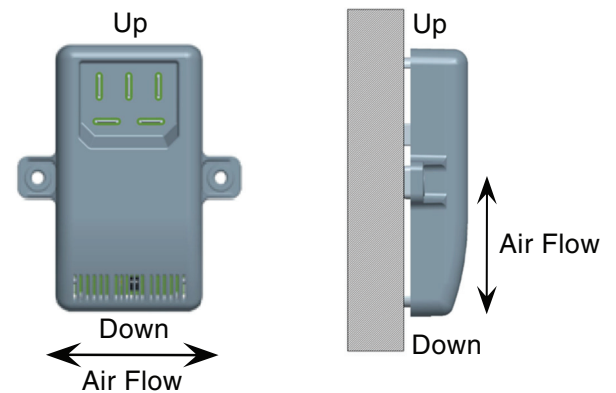
### Technical Data

| Type   | Name    | Description       | Electrical Specification              | ZIP Connections                    |
|--------|---------|-------------------|---------------------------------------|------------------------------------|
| Input  | 24V     | Supply Hot        | 24 VAC, ± 20%,<br>50/60Hz             | Same Power Supply                  |
| Output | T(+/-)  | Temperature       | Type: 10K NTC<br>(Type II thermistor) | OAT (+/-);<br>RAT (+/-); SAT (+/-) |
| Output | RH(+/-) | Relative Humidity | 0-10 VDC                              | OAH (+/-);<br>RAH (+/-);           |

### Wiring

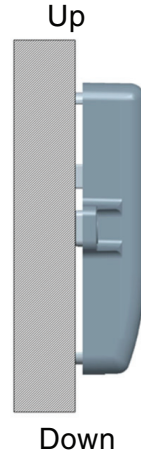
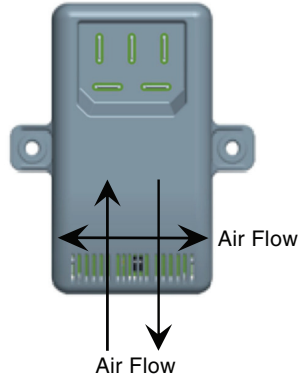
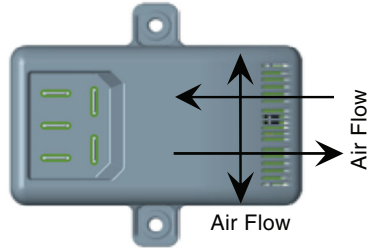
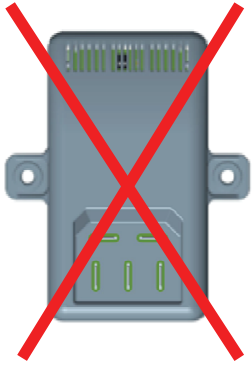


### Air Flow Direction

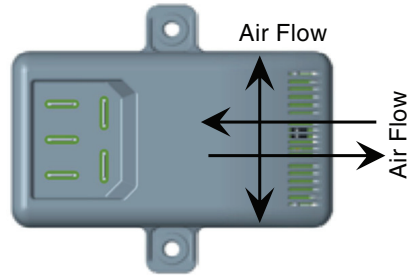
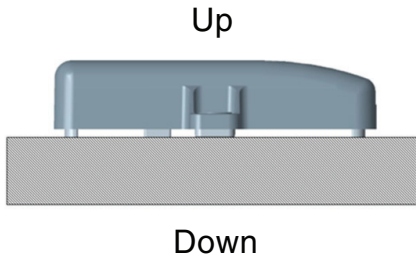


# ECON-ZIP-TH, ZIP Economizer™ Temperature & Humidity Sensor

## Orientation 1- Vertical



## Orientation 2- Bottom



## Orientation 3- Upside Down

