

# TAP – Wireless Temperature Access Point



## SUBMITTAL



## *Temperature Access Point*

### *Wireless Room Sensor*

*Part # TAP*

## DESCRIPTION

The **TAP** wireless sensor is a microprocessor based, auto changeover, communicating zone temperature sensor. The TAP sensor does not require a dedicated thermostat and controls modulating round or rectangular commercial dampers. The TAP is used with the **GEN V** zoning system.

The wireless TAP sensor and companion damper control board modulates zone dampers based on variance from set point to a position that will match the supply load to the demand requirement. When the HVAC unit is running, if a zone sensor is not calling or is calling for the opposite mode, its corresponding damper fully closes. When the HVAC unit is not running, the dampers open to the Vent mode to provide ventilation if the indoor blower fan is running continuously.

All zone sensors are synced with its respective zone damper, which is equipped with a communicating damper board that is hardwired into the systems communication loop. The HUB stat is the interface for the **GEN V** controller to interact and initiate control decisions for the system, the HUB stat coordinates global or individual schedules for all TAP's or zones, to establish master temperature settings and provide diagnostic functions to streamline system troubleshooting.

## TECHNICAL DATA

### **Electrical:**

**Supply Voltage:** Non replaceable battery

**Battery Life Expectancy:** 5 years

### **Communication:**

**Damper Board:** RS-485

**TAP:** Eddystone Bluetooth Low Energy beacon profile up to 25' transmission range.

### **Environmental:**

**Operating Temperature:** 30° to 140° F (-1° to 60° C)

**Operating Humidity:** 5 to 95% non-condensing

**Storage Temperature:** 0° to 150° (-18° to 66° C)

### **General:**

**Dimensions:** 1 3/8" Dia. x 1/2" H

**Temperature Display Range:** 55° to 95° F

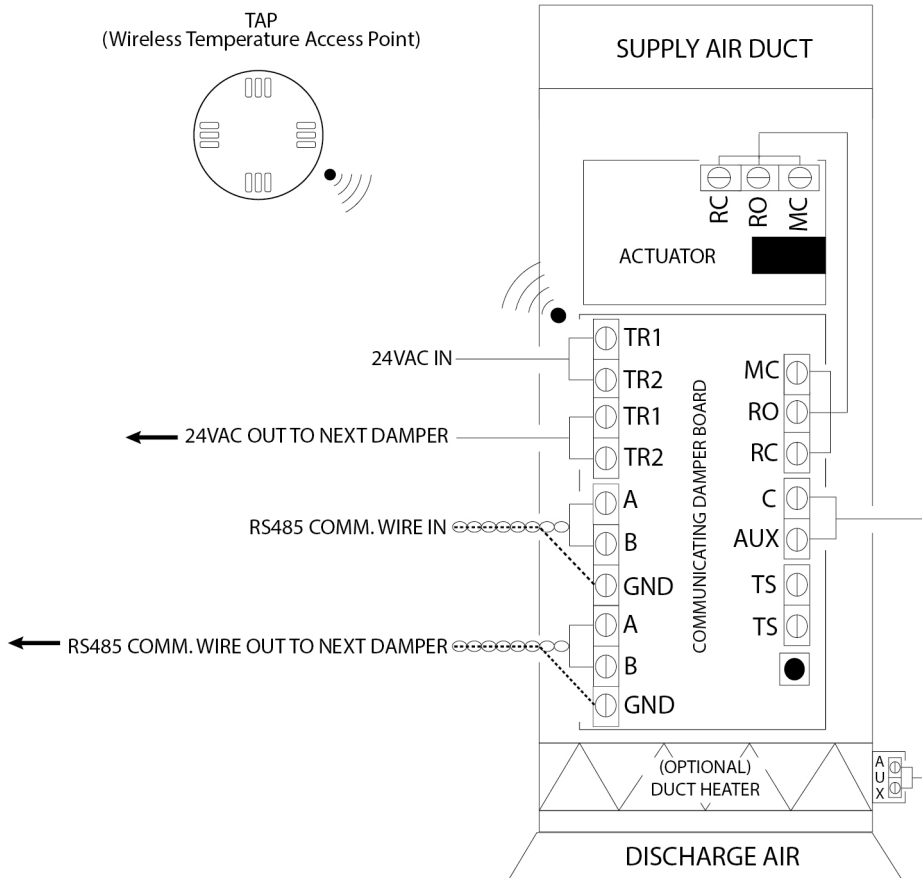
**Accuracy:** +/- 0.8° F

**Installation:** Paintable with an Adhesive back

Rev 10/22/20

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## TERMINAL FUNCTIONS



### 24V Terminal Block

RO – Run Open, damper  
 RC – Run Close, damper  
 MC – Motor common  
 AUX / C – Reheat/AUX Heat Fan  
 TS / TS – Not Used  
 TR1 – 24vac power IN & OUT  
 TR2 – 24vac common IN & OUT

### Communication Terminal Block

A - Data Transmit  
 B - Data Receive  
 GND- Ground Wire  
 A - Data Transmit  
 B - Data Receive  
 GND- Ground Wire  
 (Use Zonex 3 Wire Twisted Pair)

Note: The damper control board can be relocated closer to the TAP to enhance communication if required by extending the wire.