



**General:**

ZTS-AG is wall mounted Zone Temperature Sensor with Comfort Adjustment, Fan Auto-ON, and 3-Fan Speed Control adjustments built in.

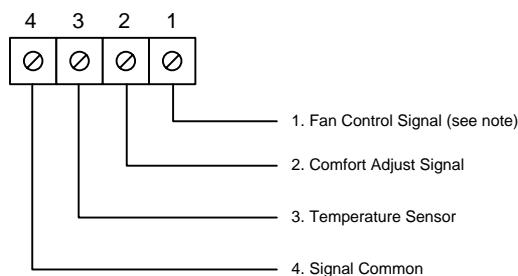
The Comfort Adjustment is made via Slide adjustment for Cooler-Warmer lever located at the top of the sensor. The Fan Auto-On and Speed Control Switches are located at the bottom of the Sensor housing. The positions of the Fan Select Switches are labeled on the sensor housing.

ZTS-GR requires 3 Inputs of the IZAC family of Controllers for Zone temperature sensing, comfort adjust and fan speed control.

**Specifications:**

Output Signals	Temperature: 10Kohms Thermistor Comfort Adjust: 18-28Kohms slide pot Fan Switch Settings: See Table 1
Operating Temperature Range	-5 to 66°C (23 to 150°F)
Storage Temp/Humidity	-40 to 110°C (-40 to 230°F) 0-98% RH Non-Condensing
Dimensions	Length: 4.5" Height: 2.7" Width: 1.1"
Mounting	Wall mounted. 2"x4" electrical box w/ 3.3" center to center mounting holes
Wiring	Enclosure has 2"x1.1" cutout for wiring through backplate

**TB-1**



**NOTE:** Fan Control Signal should be set to 0-10v on IZAC input.  
Do not install 0-10v jumper into IZAC input configuration jumper pins.

**Installation:**

**Location:**

ZTS-GR must be installed in a proper location for zone temperature sensing and comfort adjustment. Avoid installation for locations that are:

1. Exposed to direct sun light
2. Excessive moisture
3. Corrosive fumes
4. High voltage devices and wiring

**Wiring:**

ZTS-GR has 4-position wiring terminals. This terminal is marked as TB1. Its 4 positions are:

1. Fan Control Switch Signal
2. Adjust Set (comfort) temperature
3. Zone Temperature sensor
4. Common

ZTS-GR does not require shielded cable for wiring. However, shielded cables are always preferred due to shielding the external electrical noise spikes and interference. Any gage wire size can be used based for short distance (100 ft or less). For longer distance wiring, it may be a good idea to use # 22 - 18 gage wires. The wiring cable needs to come from behind the ZTS-GR housing, through its opening. Make sure that the Controller being wired is turned off during installation for ZTS-GR.

**Programming:**

The Fan Control Signal (Item 1, TB-1) input should be configured to 0-10v but **do not** install the input jumper onto the IZAC's onboard input configuration jumper array. The Comfort Adjust Signal (Item 2, TB-1) input should be configured to ZTS-A. The Temperature Sensor (Item 3, TB-1) input should be configured to 10k (F or C).

The table below shows the value of the Fan Control Signal in its various configurations.

TABLE 1

	Low	Medium	High
Auto	000-430	431-485	486-550
On	551-650	651-750	751-1000