



TS2023a

Remote Zone Sensor
with Setpoint Adjustment

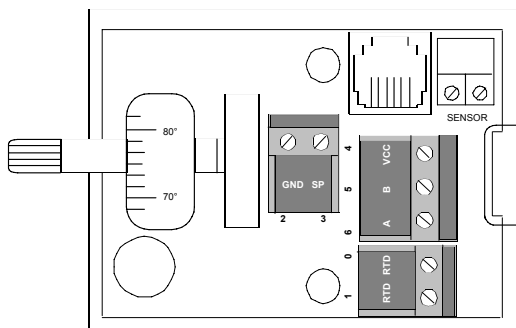
Description

The TS2023a is a remote temperature sensor and setpoint peripheral for the TCS/Basys Controls SZ1025a VAV controller. The TS2023a provides a 1000 ohm platinum RTD sensed temperature output and local setpoint adjustment. The TS2023a also provides a local RS485 connection to a remote SZ1025a VAV controller. An RJ45 communications jack, located just inside the cover of the device, allows technicians to quickly inspect the control parameters of the SZ1025a and make necessary changes without removing ceiling titles or access panels.

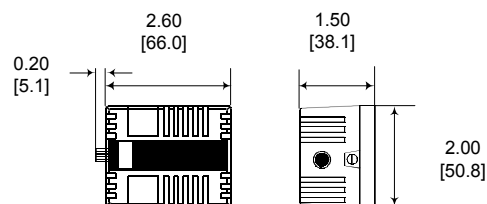
Mounting

The TS2023a is a room mount model, designed to be installed indoors, directly to block or drywall, in an horizontal position. If a junction box mounting is preferred, an optional 2"x4" conduit box adapter is available (TCS/Basys Controls part# TQ1100). This unit should be mounted on an interior wall, approximately five feet above the floor. Choose a location that provides a reading typical of average conditions. Avoid areas that are unventilated or near open doors or windows, as well as areas that are exposed to direct sunlight or unusual heat sources.

TS2023a Electrical Wiring



TS2023a Dimensions



Wiring

Communication: Connect terminal #6 to the SZ1025a RS485 communications terminal labeled "A". Connect terminal #5 to the SZ1025a communications terminal labeled "B".

Setpoint Output: Connect terminal #4 to the SZ1025a terminal labeled "VSP". Connect terminal #2 to the SZ1025a terminal labeled "GND". Connect terminal #3 to the SZ1025a terminal labeled "SP".

Sensor Output: Connect terminal #0 to one of the SZ1025a terminals labeled "T1". Connect terminal #1 to the other SZ1025a terminal labeled "T1".

TS2023a Wiring Diagram

