neptronic®

Outdoor temperature sensor
Installation instruction

STO2-11

Feature:

- Temperature sensor
- Weather enclosure IP65.
- To be installed in association with Neptronic® room (HRO20) humidistat

Technical Data	STO2-11
Electrical connection	2 twisted wires AWG28, connected to 2 poles terminal.
Signal	Variable resistance
Rating	-40ºF to 176ºF [-40ºC to 80ºC]
Ambient temperature	-40ºF to 176ºF [-40ºC to 80ºC]
Storage temperature	-40ºF to 176ºF [-40ºC to 80ºC]
Relative Humidity	5 to 95 % non condensing.
Dimensions	2.2" x 3.5" dia. [55mm x 90mm dia]
Weight	0.25lb [114g]

Installation

- It is recommended that the unit be mounted with the cable entry at the bottom.
- Remove the front cover by twisting the lid and separating from the main body.
- Using the base of the housing as a template mark the hole centers. Drill two pilot holes at 3.3" [85mm] centers in the surface to which the sensor is to be mounted.
- Fix the sensor to the wall using appropriate screws.
- Feed the cable through the waterproof gland and terminate at the terminal block. Leaving some slack inside the housing, tighten the cable gland onto the cable to ensure water tightness.
- Replace the lid after the electrical connections have been made.

Wiring Diagram

Connection to HRO20

HRO20 terminal

STO2-11 terminal