# STO100



### **Outdoor Temperature Sensor for Vista**

The STO100 is designed for outdoor mounting. The dome shaped housing is the cover, as well as being a shield against the effects of wind and rain. Access to the wiring terminals is possible after removing the two cover screws.

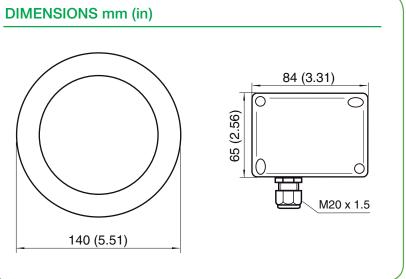
The STO100 housing is equipped with a 20 mm cable fitting.

## SPECIFICATIONS

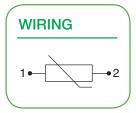
Part number	DIMENSION	12
Sensor element NTC, 1.8 k $\Omega$ at +25 °C (77°F)		
Time constant		_
20 minutes (0.1 m/s)		_
Materials		
Cover		
Connection boxpolyamide plastic		
Enclosure rating IP 55		
Dimensions		
Accuracy see table	$  \setminus \setminus$	
Temperatures		
Ambient min40 °C (-40 °F)		
max. 90 °C (194 °F)	14	0 (
Operating min40 °C (-40 °F)		
max. 90 °C (194 °F)		
Standards 73/23/EWG Low Voltage Guidelines		
EN50014:1997 +A1 +A2 and EN50119:2000	Part number	D
EN61010:2006	514-1100-010	S

### ACCURACY

–25 °C/–13 °F±0.7 °C/±1.3 °F
±0 °C/32 °F±0.5 °C/±0.9 °F
25 °C/77 °F±0.3 °C/±0.5 °F
50 °C/122 °F±0.6 °C/±1.1 °F
75 °C/167 °F±0.9 °C/±1.6 °F
100 °C/212 °F±1.3 °C/±2.3 °F



Part number	Description	Weight g (lb)
514-1100-010	STO100	140 (0.31)





## MOUNTING

Remove the two cover screws. Select a location on an outside wall away from warm air outlets such as windows or extract ducts. Avoid fixing to chimney stacks or other artificially warm surface.

Unzoned buildings - locate on an outside wall exposed to prevailing winds and in continuous shade. Preferably near top of building unsheltered by surrounding buildings.

Zoned buildings - for aspect zoning locate the sensor so that it faces the same general direction as the window area of the zone being controlled. For horizontal zoning locate as near top of the zone as possible.

Access for wiring is via M20 conduit connections and the terminals are accessed via the removable cover (two screws). The terminals are not polarised. See wiring diagram.

On October 1st, 2009, TAC became the Buildings Business of its parent company Schneider Electric. This document reflects the visual identity of Schneider Electric, however there remains references to TAC as a corporate brand in the body copy. As each document is updated, the body copy will be changed to reflect appropriate corporate brand changes.