STR300

PART NUMBER

Part Number	Model Number	Description	System
006922000	STR300	Living Space Temperature Transmitter	All

SPECIFICATIONS

Mounting . . . . . living space
Operating temperature . . . . . 0 ºC to 40 ºC
(32 ºF to 104 ºF)
Storage temperature. . . . . -30 ºC to 70 ºC
(-22 ºF to 158 ºF)
Humidity. . . . . max. 90 % rh, non-condensing
Enclosure rating . . . . . IP 20
Material (housing) . . . . . ABS plastic
Dimensions. . . . . see diagram overleaf

Agency Compliances

Emission CE. . . . . EN 61000-6-3
Immunity CE. . . . . EN 61000-6-1
Safety CE . . . . . EN 61010-1
Flammability UL . . . . . UL 94 V-0

Temperature Sensor

Type . . . . . NTC, 10 kΩ at +25 °C (77 °F)
Temperature range . . . . . 0 ºC to 40 ºC
(32 ºF to 104 ºF)
Accuracy . . . . . +/- 0.5 ºK
(@ambient temp. of 25 ºC and UG = 24 VDC)
Connection. . . . . 2-wire current loop
Output signal . . . . . 4 to 20 mA
Power input . . . . . 15 to 30 VDC
Max. load resistance. . . . . see diagram overleaf
Linearity error . . . . . .+/- 0.5 %

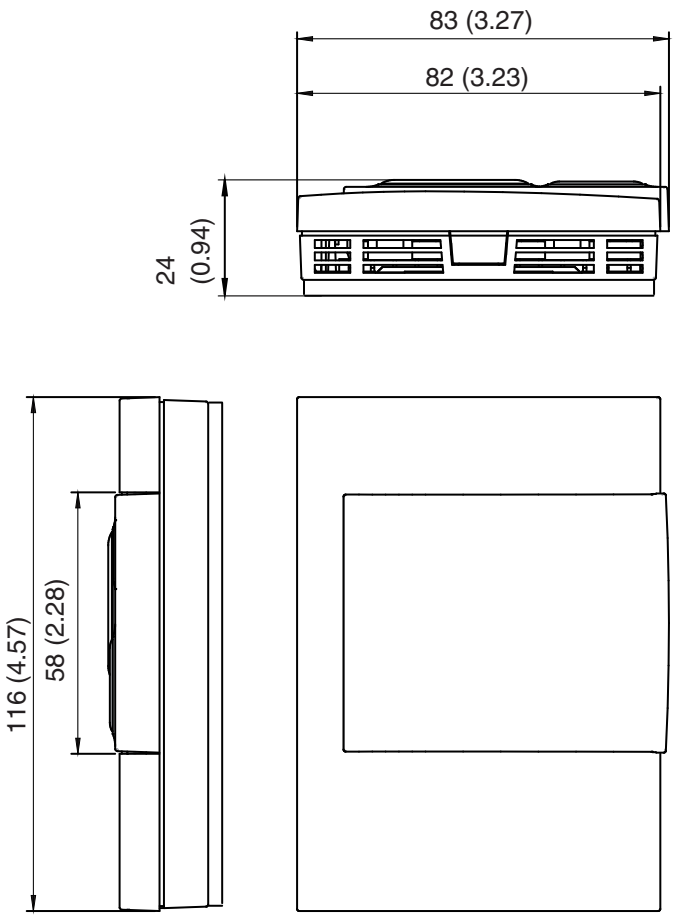
Living Space Temperature Transmitter

This living space temperature transmitter converts a measured temperature into an electric current signal, to provide temperature control in occupied areas.

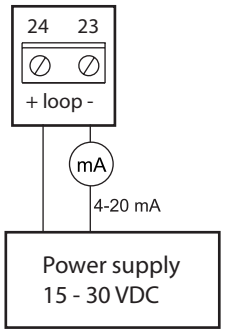
The sensor is delivered as a complete unit, comprising a sensing element and an amplifier mounted within an aesthetically pleasing plastic enclosure, suitable for wall mounting or in a standard switch box in dry, dust free rooms.

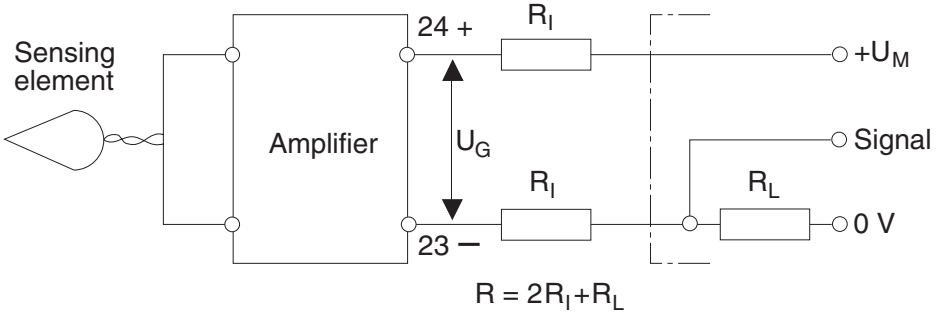
Schneider Electric

DIMENSIONS mm (in)



WIRING





$R = 2R_I + R_L$

Note: Maximum $R = (U_M - 15V)/0.02A$

The transmitter is connected by a 2-wire cable, which serves for both the power supply and the signal transmission. Reading the measured signal value is achieved by having an external load resistance R_L.

The supply voltage U_M is a function of the voltage across the sensor U_G and the voltage drop across the load resistor and the wire resistances R_I.

U_G Max. = 30 VDC, U_G Min = 15 VDC.