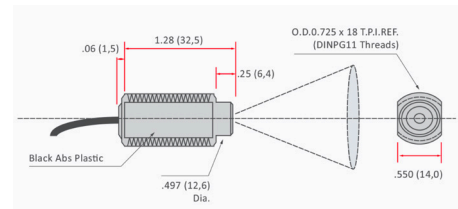# AUTOSMART 01

Product Overview

The AutoSmart 01 features:
· Output 0-5V, 0-10V, 4-20mA
· Non-contact
· Repeatability error 0.1% full scale
· Interchangeability ±1.5% full scale
· Resolution approx. 0.1°C
· Small size sensor

* IRt/c.01 includes locknuts
Dimensions are in inches (mm)

Technical Data

Sensor Range	-35 to 250°C (-31 to 482°F)
Sensor Ambient Temperature Range	-18 to 70°C (0 to 158°F)
Transmitter Ambient Temperature Range	0 to 70°C (32 to 158°F)
Storage Temperature Range	-10 to 70°C (14 to 158°F)
Field of View	60° (1:1) approximately
Minimum Spot Size	8mm (0.3")
Spectral Response	5,0 to 20µm
Update Time	Approximately 250 msec.
First Reading Upon Power Up	Approximately 2 seconds

Connector cable	3 m (9.8 ft) 22AWG*4C + F + Jacket black PUR cable OD=5.0mm -40°C~+105°C
Sensor cable	0,9 m (3 ft) Thermocouple extension grade, PVC jacket, unshielded
Sensor Dimensions	34 x 20 mm Dia. (1.34" x 0.71")
Weight	Sensor: 40g (1.4oz.) with cable. Transmitter: Approximately 50g (1.702oz.)
Housing	Sensor: High strength ABS, hermetically sealed, exceeds NEMA, 4,4x; IP65,67. Two locknuts supplied. Transmitter: Heavy Duty SS, NEMA, IP54
Emissivity Setting	0.90
Power	12 or 24VDC (10%). Shuts off when voltage is functionally low
Power Consumption	±10mA (without output signal device)
Loop Impedance	(4-20mA models) >500Ω

Ordering Information

AutoSmart 01 - ☐ - ☐ - ☐

Power:
12 = 12VDC
24 = 24VDC

Output:
005 = 0-5V
010 = 0-10V
420 = 4-20mA

Temperature range:
70   = -35 to 70°C (-31 to 158°F)
100 = 0 to 100°C (32 to 212°F)
250 = 0 to 250°C (32 to 482°F)

Dimensions

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