



Capacitive Sensors

High Temp Industrial Material Sensing - PS-T

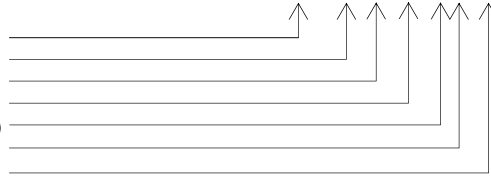


- Easy installation (one touch setup)
- Designed for high temperature applications (up to 400 F)
- Incorporates anti static charge technology
- "Ultra" sensitivity design for low dielectric sensing

Order Template

PS-T-BC4-S-A-Z2-1

Mounting of Housing : B (Bracket), M (Magnetic)
Sensor Head Length : 2 (2ft), 4 (4 ft)
Sensor Head Type : **S (Silicon), C (Ceramic)**
Function : A (N.O), R (N.C.)
Output : Z (2 wire relay 120VAC 10A)
Voltage : 2 (120 VAC), 3 (240VAC)
Wiring Type : 1 (standard)



Electrical Specifications

Controller

Supply Voltage	.	. See order template
Supply Current (no load)	.	. <50mA
Supply Current (load)	.	. 200 mA
Ripple (LINE)	.	. DC (<= 30mV p-p)
Hysteresis (Travel differential)	.	. <= 2%
Voltage Drop (sensor)	.	. Not Applicable
Overload Protection	.	. YES
Offstate Current	.	. < 100uA
Time Delay (ON state)	.	. < 10 ms
Reverse Polarity	.	. Not Applicable
Short Circuit Protection	.	. Not Applicable
Repeatability	.	. < 2% of rated operating distance

Sensor Head

Signal Voltage	.	. <= 5V
Signal Frequency	.	. <500KHz
Electrical Conductivity (Head only)	.	. > 60 Mega Ohms

Mechanical Specifications

Controller

Shock	.	. 30g, 11ms
Vibration	.	. 55 Hz, 1mm Amplitude in all 3 planes
IP Rating	.	. IP54
Material	.	. Aluminum Cast Housing

Sensor Head

Shock	.	. 30g, 11ms
Vibration	.	. 55 Hz, 1mm Amplitude in all 3 planes
IP Rating	.	. IP66
Material	.	. Silicone or Ceramic

Operating Specifications

Controller

Temperature	. 0 to 70 C
Switching Frequency	. < 5Hz
"ON" state duration	. < 10 ms
Display	. Power (GRN) , Presence (YLW), Alarm (RED)
Siren	. 98 dB @ 10 cm, 3.8 KHz

Sensor Head

Dielectric sensitivity	. Granular plastic, food, glass, wood, ceramic, metal,
Temperature	. -40 to 210 C (Silicone), -40 to 400 C (Ceramic)
Sensor Head Dimensions	. 40mm (1.57in) X 60mm (2.36in)
Mounting Hole Size	. 1/2 in (12.7mm)

