

Features

- Direct connection to HazardPRO node
- Fixed cable with M12 connector included
- 2-wire (current loop type)
- Installs in-line of belt travel
- Optional stainless steel jacketed cable



Polyurethane Cable



Stainless Steel Jacket Over Polyurethane Cable

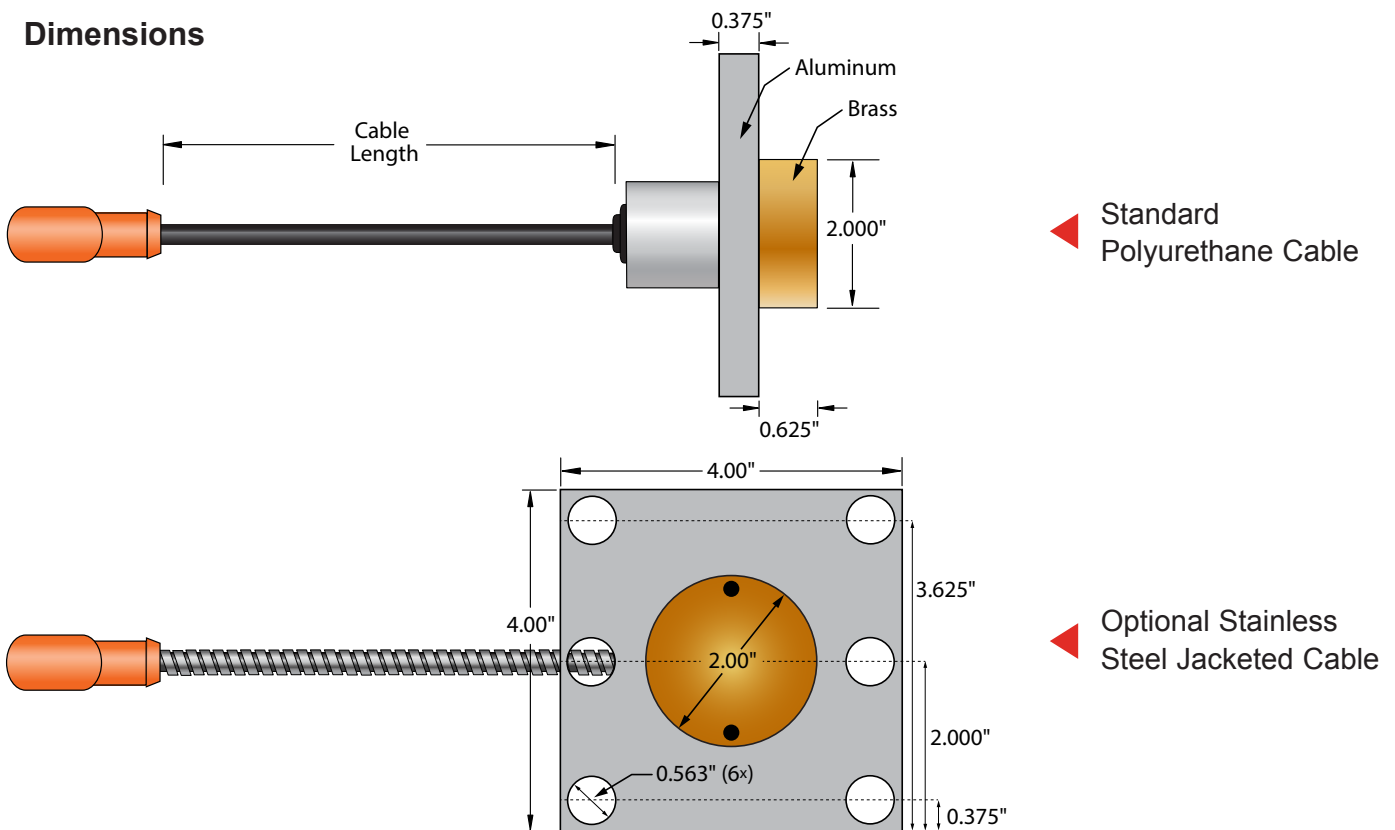
Description

HazardPRO belt alignment temperature sensors connect directly to the HazardPRO transmitter node as an integral part of the hazard monitoring system. The user installs the sensor and connects it to the node, no user calibration is required.

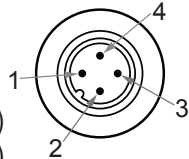
Application

The belt alignment temperature sensor is mounted on the machine in a location such that if the belt moves to the inside of the casing, the brass sensor body will be contacted and the resulting temperature rise will be detected.

Dimensions



HazardPRO Belt Alignment Temperature Sensor

Specifications	
V =	5 - 30 VDC
I =	$273.15 \mu\text{A} + \left(\frac{1 \mu\text{A}}{^\circ\text{C}}\right) * T (^\circ\text{C})$
Operating Temperature (Measurement Probe)	-40 °C → +120 °C (-40 °F → +248 °F)
Operating Temperature (Ambient)	-25 °C → +75 °C (-13 °F → +167 °F)
Accuracy	±1 °C (at 25 °C) ±3 °C (at -40 °C, 120 °C)
Cable Material	Standard: Polyurethane Optional: Stainless Steel Jacketed Polyurethane
Cable Connector	M12, 4-pin pin 2 (+) pin 4 (-) pin 1 (N.C.) pin 3 (N.C.) N.C. = not connected 

I.S. Entity Parameters	
Ui	21 V
Ii	21 mA
Pi	0.11 W
Ci	0 μF
Li	0 μH



Intertek

Class II, Div 1, Groups E, F, G, Class III, Div 1
Zone 20, AEx ia IIIC T100 °C Da T5
-25 °C ≤ Ta ≤ 75 °C Type 4X, IP65
Install per user's manual (990-006600)
and control drawing (990-006700)

Specifications subject to change without notice.

Ordering

Cables	Part Number
Polyurethane Jacket (3 Meter)	775-007054
Stainless Steel Jacketed Polyurethane (3 Meter)	775-007055

Extension Cables	Part Number
Polyurethane Jacket (2 Meter)	775-007140
Polyurethane Jacket (5 Meter)	775-007142
Polyurethane Jacket (10 Meter)	775-007144
Stainless Steel Jacketed Polyurethane (2 Meter)	775-007141
Stainless Steel Jacketed Polyurethane (5 Meter)	775-007143
Stainless Steel Jacketed Polyurethane (10 Meter)	775-007145

Customization

If one of standard products does not meet your specifications, please do not hesitate to call one of our applications specialists. Many of our products can be customized to fit specific needs.

Additional Information

For more information about HazardPRO belt alignment temperature sensors, please contact Electro-Sensors.