

871P Can Sensors 4-Wire DC Motion



871P DC Motion Style
140 x 45 x 58mm
page 2-163

Features

- 4-conductor plus shield or 4-pin mini connection
- 10–30V DC
- Normally open NPN and PNP outputs
- Stainless steel housing
- 1200psi (8270kPa) washdown
- Dual function output LED
Dim blink: cans moving
Bright steady: no motion
- Adjustable sensing distance
- False pulse, transient noise, reverse polarity, short circuit, and overload protection

Specifications

Outputs	Normally Open NPN and PNP
Load Current	300mA
Operating Voltage	10–30V DC
Operating Current	25mA (off), 55mA (on)
Voltage Drop	≤2.5V
Repeatability	≤2%
Hysteresis	3%–15%
Output Time Delay	0.5 sec after motion stops
False Pulse Protection	Incorporated
Transient Noise Protection	Incorporated
Short Circuit Protection	Incorporated
Overload Protection	Incorporated
Reverse Polarity Protection	Incorporated
Enclosure	NEMA 1, 3, 4, 4X, 6, 6P, 12, 13, IP67 (IEC 529), 1200psi (8270kPa) washdown
Connections	A2: 2m shielded PVC jacketed cable, 4-wire, #22AWG, 1/2" NPT N4: 4-pin mini quick-disconnect
LED	Red: Output Energized Dim Blink: Cans moving Bright Steady: No motion
Potentiometer	Sensing range adjust
Operating Temperature	–20°C to +70°C (0°F to +160°F)
Housing Material	Stainless steel, plastic face
Mounting	2 stainless steel studs

Product Selection

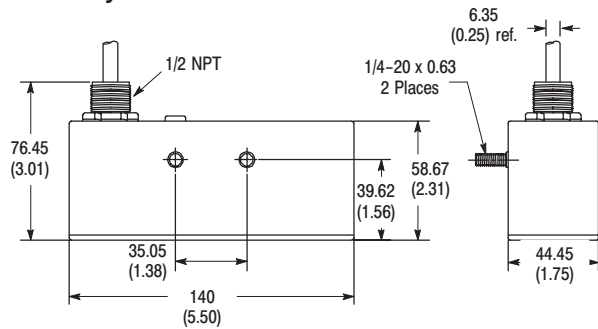
Container Sizes	Nominal Presence Sensing Distance mm (inches)	Nominal Motion Sensing Distance mm (inches)	Shielded	Output Configuration	Catalog Numbers	
					Cable Style	Mini QD Style
202-704	Steel: 29mm (1.15in) Aluminum: 15mm (0.60in)	Steel: 19mm (0.75in) Aluminum: 13mm (0.50in)	Y	Normally Open NPN and PNP	871P-DD29NB140-A2	871P-DD29NB140-N4
Recommended Standard QD Cordset (-6F = 1.8m (6ft))						889N-F4AFC-6F

QD Cordsets

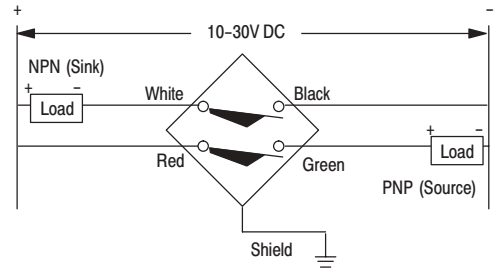
Description	Page Number
Other Cordsets Available	7-8
Terminal Chambers	7-20

Dimensions—mm (inches)

Cable Style



Wiring Diagram



Note: Red and black wires must be connected for proper operation.

Mini QD Style

