

RH-P144AJB

Bidirectional Wheeled Encoder

DESCRIPTION

The RH-P encoder, also known as a Pulse Position Indicator (PPI) or Tach, is typically used to measure linear movement on a conveyor system. The number of pulses per revolution is determined by setting configuration switches. A direction output indicates the shaft rotation direction, clockwise (CW) or counter-clockwise (CCW), as viewed from the shaft end farthest from the connector. An optional pair of 12" or 30cm circumference measuring wheels allow it to ride directly on the conveyor belt, tracking the conveyor independently of conveyor roller diameters. The RH-P also includes the Anti-Jitter feature that eliminates extraneous pulses generated if the conveyor stops on a pulse edge.

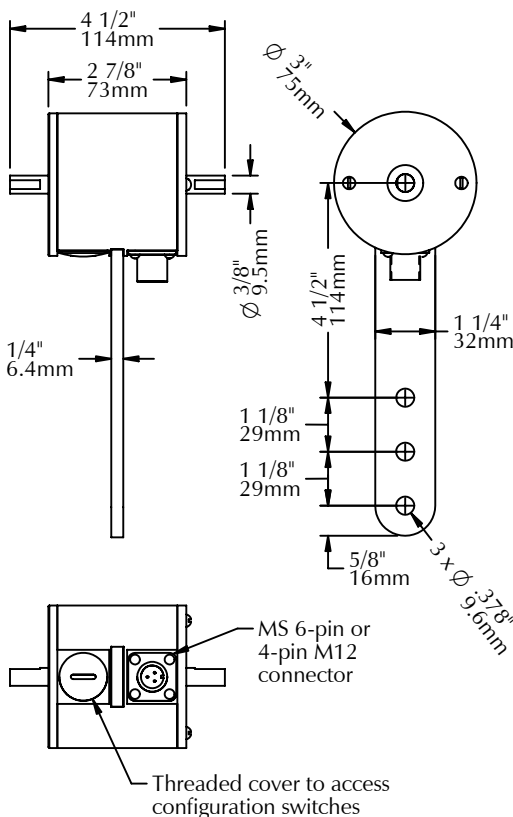
FEATURES

- Programmable Pulses/Revolution
- Direction of Rotation Output
- ESD / Short Circuit / Reverse Voltage Protected
- Exclusive "Anti-Jitter" Circuit for Conveyor Applications
- See the model R22 for a smaller wheeled encoder

* CE marking requires Photocraft cable, and surge protection option if cable exceeds 100' (30m) or leaves the building.



DIMENSIONS



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SPECIFICATIONS

Electrical

Supply Voltages (+vdc): (specify when ordering)

5 ± 5% vdc or 8 to 30 vdc

Current: 50 ma max (no load)

100 ma max (line driver)

Operating Temperature: -25° to +85° C

Output Circuit: (specify when ordering)

Output voltage level is approximately the same as the input voltage level.

Single Ended:

— NPN open collector (30vdc/50mA max)

— Push/Pull (50mA max source/sink)

Differential Line Driver:

— 7272 line driver (output same as input volts)

— RS422 line driver (regulated 5vdc output)

Configuration Switches

