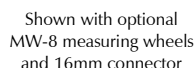
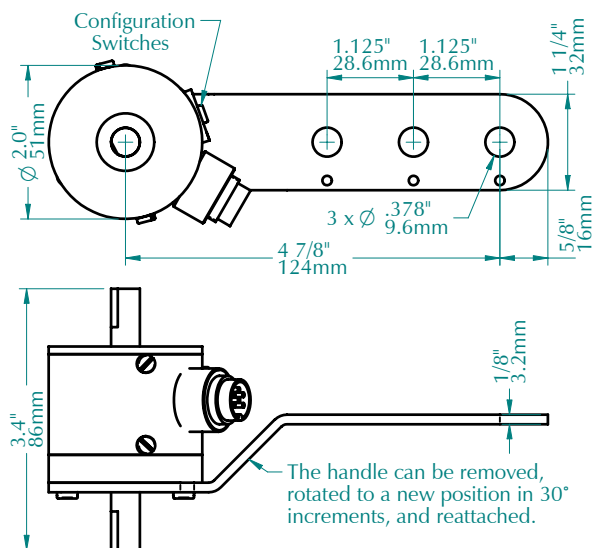


Programmable Wheeled Encoder



- **Generates pulses for accurate linear measurement**
- **Selectable resolution: Pulses/Foot and Pulses/Inch**
- **Heavy Duty construction**
- **Compact size**
- **Precision 8" circumference measuring wheels**
- **16mm or M12 connector, or attached cable**
- **Enhanced "Anti-Jitter" feature for web applications**
- **ESD, Short Circuit, Reverse Voltage protection**
- **Various mounting hardware kits are available**
- **Metric version available**

(shown with optional 16mm connector)



PO Box 25135 813-886-4000
Tampa FL 33622-5135, USA 800-237-0946
ttco.com • photocraftencoders.com

Mechanical

Maximum Speed: 3,000 rpm

Shaft Loading:

- Radial: 40 lbs. / 18.1 kg
- Axial: 30 lbs. / 13.6 kg

Bearing Life: $32 \times 1,000,000/\text{rpm} = \text{hours}$

Materials: Switch cover: ABS

- Case: Aluminum, anodized
- Shaft: 303 Stainless steel

Weight: 12 oz. / 340 grams (without accessories)

Protection: IP50 is standard, IP66 available

Electrical Connections

	Connectors			
	16mm	16mm	M12	Wire
Function	6-Pin	8-Pin	4-Pin	Color
Common	1	5	3	Black
+vdc	2	4	1	Red
Output A	4	1	4	White
Output -A	-	6	2	Green

Unlisted pins are not used.

16mm 6-pin is Amphenol T3402000 or equivalent, for Single Ended outputs.

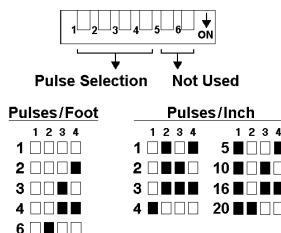
16mm 8-pin is Amphenol T3506000 or equivalent, for Differential Line Driver.

M12 4-pin is Turck FS4.4/.. or equivalent for either Single or Differential Outputs.

Attached cable is 10-ft / 3-meters. Other lengths are available.

Configuration Switches

Selects the pulses per linear movement of the 8" circumference measuring wheel (MW-8).



Switch definitions: ☐ Up (off), ☒ Down (on).

MODEL NUMBER

R22	Model Number
—	P8EAJ
Program Name: Call or see our website for information about other programs.	
Supply Voltage: 5 or 8-30	
Output Circuit: leave blank for 7272 Push/Pull, C=7273 open collector, DH =line driver, DL=RS422 line driver	
Cable/Connector: leave blank for attached cable, S = 16mm connector, S3 = M12 connector	
Modification Number: optional modification or special feature ID. Call or see our website.	
Accessories: leave blank for no accessories. Call or see our website for more information.	

Example: R22-P8EAJ/8-30DHS MW8-10 R22 with P8EAJ program, 8-30 vdc, 7272 differential line driver outputs (+A / -A), 16mm connector (8-pin), and accessories: MW-8 wheels, 10' cable