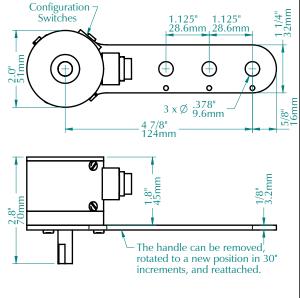


FEATURES

- · Generates pulses for accurate linear measurement
- · Selectable pulses per revolution
- Heavy Duty construction
- Compact size
- Precision 8" or 12" circumference measuring wheel
- 16mm or M12 connector, or attached cable
- "Anti-Jitter" feature for web applications
- ESD, Short Circuit, Reverse Voltage protection
- Various mounting hardware kits are available

DIMENSIONS

(shown with optional 16mm connector)





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

SPECIFICATIONS

Mechanical

Shaft Loading:

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

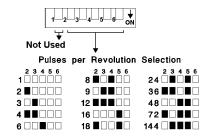
Bearing Life: $32 \times 1,000,000/\text{rpm} = \text{hours}$ **Materials:**

— Case: Aluminum, anodized Shaft: 303 Stainless steel Switch access door: plastic

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

Protection: IP50 is standard IP66 is available

Configuration Switches



Switch definitions: Up (off), ■ Down (on).

Outputs

Pulses per Revolution Output: Selectable by setting configuration switches 2 to 6. Output is "low" when initially powered. Anti-Jitter feature: Increases pulse output hysteresis to ½ of a pulse width eliminating

the effects of mechanical vibration and the

possible dither that results in false output

pulses.

Electrical

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

 $5 \pm 5\%$ vdc or 8 to 30 vdc Supply Current: 50 ma max (no load) 100 ma max (line driver)

Output Circuit: (specify when ordering)

Single Ended:

- 7273 open collector (30 VDC max, 50 mA max)
- 7272 Push-Pull
 - (50 mA max source or sink)

Differential Line Driver:

- 7272 differential line driver (output level same as supply voltage)
- RS422 differential line driver (with regulated 5vdc output level)

Operating Temperature: 0° to 70° C Maximum Operating Speed: 2,500 rpm

Electrical Connections

Single Ended Outputs:

(Optional	Optional		Wire
	6-Pin	M12 4-pin	Function	Color
Ī	1	3	Common	Black
	2	1	+vdc	Red
	4	4	Output A	White
	3, 5, 6	2	not used	-

6-pin connector is Amphenol T3402000 or equivalent M12 4-pin is Turck FS4.4/18.25 or equivalent

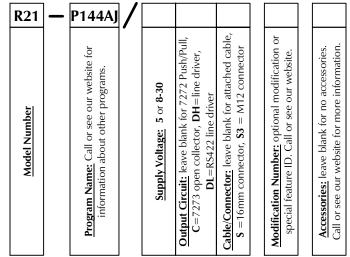
Differential Line Driver Outputs:

Optional	Optional		Wire
8-Pin	M12 4-pin	Function	Color
1	4	Output +A	White
4	1	+vdc	Red
5	3	Common	Black
6	2	Output -A	Green
2, 3, 7, 8		not used	-

8-pin connector is Amphenol T3506000 or equivalent M12 4-pin is Turck FS4.4/18.25 or equivalent

Accessories (call or see our website) Adapters, Cables, Flexible Couplings, Measuring Wheels, Mounting Brackets

MODEL NUMBER



Example: R21-P144AJ/8-30DHS MW1-10 R21 with P144AJ program, 8-30 vdc, 7272 differential line driver outputs (+A / -A), 16mm connector (8-pin), and Accessories: MW-1 wheel, 10' cable