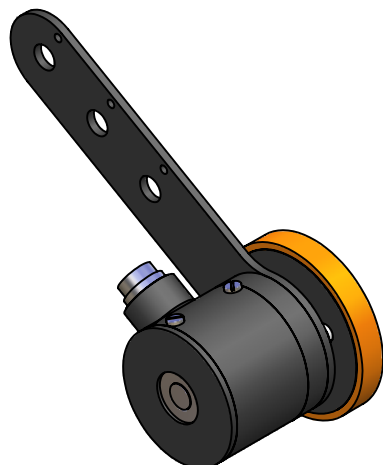


R21-P64AJ

Programmable Wheeled Encoder



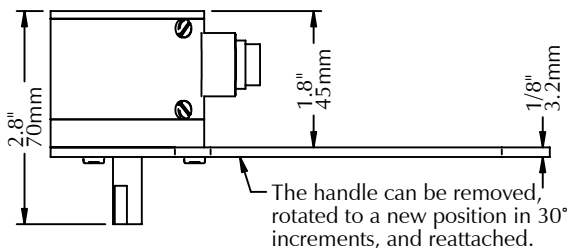
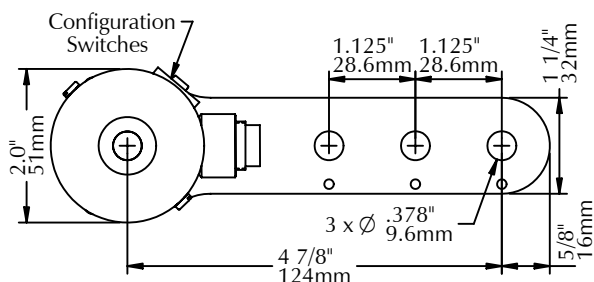
shown with optional
8" circumference measuring wheels
and 16mm connector

FEATURES

- Generates pulses for accurate linear measurement
- Selectable pulses per revolution
- Heavy Duty construction
- Compact size
- Precision 8" or 20cm circumference measuring wheel
- 16mm or M12 connector, or attached cable
- "Anti-Jitter" feature for conveyor applications
- ESD, Short Circuit, Reverse Voltage protection
- Various mounting hardware kits are available

DIMENSIONS

(shown with optional 16mm connector)



SPECIFICATIONS

Mechanical

Maximum Speed: 2,500 rpm

Shaft Loading:

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

Bearing Life: 32 x 1,000,000/rpm = hours

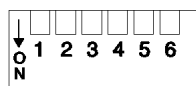
Materials: Switch cover: ABS

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

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

Protection: IP50 is standard, IP66 available

Configuration Switches



Switch definitions:

- Up (off)
- Down (on)

Pulses per Revolution Selection					
1	2	3	4	5	6
1	22	23	24	25	26
2	27	28	29	30	31
3	32	33	34	35	36
4	37	38	39	40	41
5	42	43	44	45	46
6	47	48	49	50	51
7	52	53	54	55	56
8	57	58	59	60	61
9	62	63	64		

Electrical

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

5 ± 5% vdc or 8 to 30 vdc

Supply Current: 50 ma max (no load)

100 ma max (line driver)

Output Circuit: (specify when ordering)

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

Single Ended:

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

Differential Line Driver:

- 7272 line driver, unregulated output
- RS422 line driver with 5vdc output

Operating Temperature: -25° to +85° C

Outputs

Pulses per Revolution Output: Selectable by setting configuration switches 1 to 6.

Output is "low" when initially powered.

Anti-Jitter feature: details on our website

Electrical Connections

Single Ended Outputs:

Optional Connectors	Wire Color
6-Pin	M12 4-pin
1	3
2	1
4	4
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 Connectors	Wire Color
8-Pin	M12 4-pin
1	4
4	1
5	3
6	2
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

MODEL NUMBER

R21	P64AJ				
<u>Model Number</u>	<u>Program Name</u>	<u>Supply Voltage:</u> 5 = 5vdc, 8-30 = 8-30vdc	<u>Output Circuit:</u> leave blank for 7272 Push/Pull, C=7273 open collector, DH=7272 line driver, DL=RS422 line driver	<u>Cable/Connector:</u> leave blank for attached cable, S=6 or 8 pin 16mm, S3=M12 connector	<u>Modification Number:</u> optional modification or special feature ID. Call or see our website.
	Call or see our website for information about other available programs for this encoder model.				<u>Accessories:</u> optional accessories (call or see our website).

Example: R21-P64AJ/8-30S - 3/8" shaft diameter, P64AJ program, 8-30vdc, push/pull output, 16mm connector (6 pin)



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