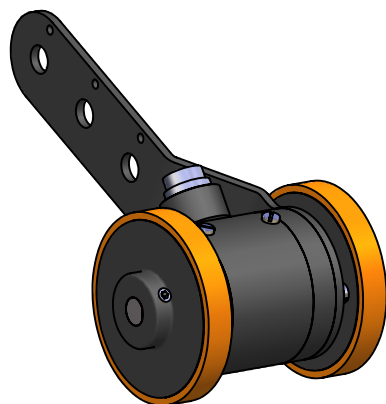


R22-P64AJ

Programmable Wheeled Encoder



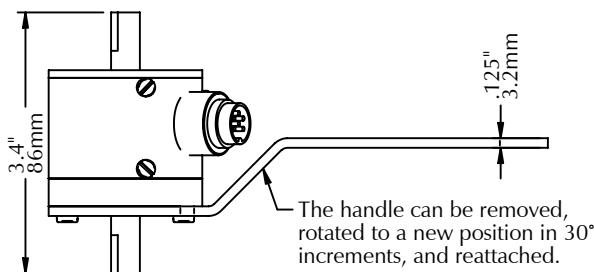
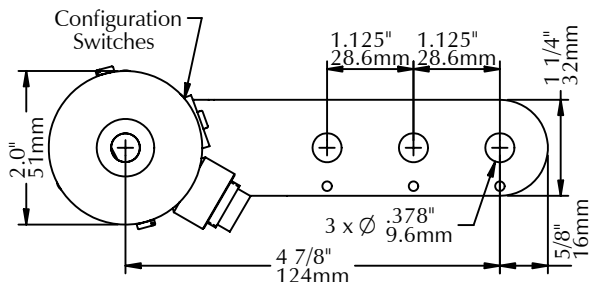
Shown with optional MW-8 measuring wheels and 16mm connector

FEATURES

- Generates pulses for accurate linear measurement
- Selectable pulses per revolution
- Heavy Duty construction
- Compact size
- Precision 8" or 20cm circumference measuring wheels
- 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)



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

SPECIFICATIONS

Mechanical

Shaft Loading:

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

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

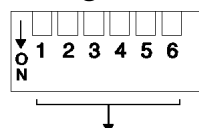
Materials:

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

Weight: 10 oz. (285 grams)

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	2	3	4	5	6
2	3	4	5	6	1
3	4	5	6	1	2
4	5	6	1	2	3
5	6	1	2	3	4
6	1	2	3	4	5
7	8	9	10	11	12
8	9	10	11	12	13
9	10	11	12	13	14
10	11	12	13	14	15
11	12	13	14	15	16
12	13	14	15	16	17
13	14	15	16	17	18
14	15	16	17	18	19
15	16	17	18	19	20
16	17	18	19	20	21
17	18	19	20	21	22
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21	22	23	24	25	26
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23	24	25	26	27	28
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26	27	28	29	30	31
27	28	29	30	31	32
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41	42	43	44	45	46
42	43	44	45	46	47
43	44	45	46	47	48
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49	50	51	52	53	54
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53	54	55	56	57	58
54	55	56	57	58	59
55	56	57	58	59	60
56	57	58	59	60	61
57	58	59	60	61	62
58	59	60	61	62	63
59	60	61	62	63	64
60	61	62	63	64	
61	62	63	64		
62	63	64			
63	64				
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

Maximum Operating Speed: 2,500 rpm

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		Function	Wire Color
6-Pin	M12 4-pin		
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 Connectors		Function	Wire Color
8-Pin	M12 4-pin		
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

MODEL NUMBER

R22	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: R22-P64AJ/8-30S - 3/8" shaft diameter, P64AJ program, 8-30vdc, push/pull output, 16mm connector (6 pin)