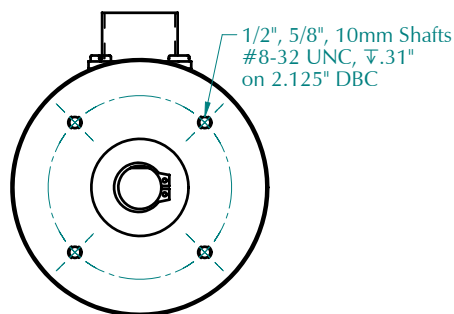
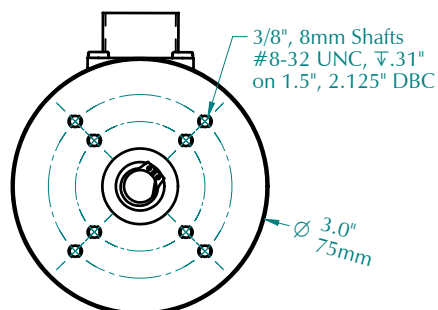
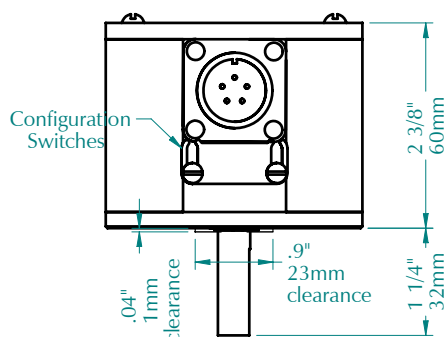


FEATURES

- DIP switch selectable counts per revolution
- 1 through 64 counts per revolution
- Shaft diameters: 3/8", 1/2", 5/8", 8mm, 10mm
- Anti-Jitter feature
- CE and RoHS compliant available
- ESD and short circuit protection
- 5 vdc and 8 to 30 vdc supply voltages
- Non-programmable models available

DIMENSIONS

(shown with 3/8" diameter shaft, 5-pin connector)

**SPECIFICATIONS****Electrical****Supply Voltages:** (specify when ordering)

5 ± 5% VDC or 8-30 VDC

Supply Current: 50 mA max (no load)**Operating Temperature:** 0 to 70° C**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)

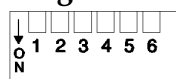
Differential Line Driver:

— 7272 differential line driver

(output level same as supply voltage)

— RS422 differential line driver

(with regulated 5vdc output level)

Maximum operating speed: 2,500 rpm**Configuration Switches****Switch definitions:**☐ Up (off)☒ Down (on)

Counts per Revolution Selection					
1	2	3	4	5	6
1	☐	☐	☐	☐	☐
2	☐	☐	☐	☐	☐
3	☐	☐	☐	☐	☐
4	☐	☐	☐	☐	☐
5	☐	☐	☐	☐	☐
6	☐	☐	☐	☐	☐
7	☐	☐	☐	☐	☐
8	☐	☐	☐	☐	☐
9	☐	☐	☐	☐	☐
10	☐	☐	☐	☐	☐
11	☐	☐	☐	☐	☐
12	☐	☐	☐	☐	☐
13	☐	☐	☐	☐	☐
14	☐	☐	☐	☐	☐
15	☐	☐	☐	☐	☐
16	☐	☐	☐	☐	☐
17	☐	☐	☐	☐	☐
18	☐	☐	☐	☐	☐
19	☐	☐	☐	☐	☐
20	☐	☐	☐	☐	☐
21	☐	☐	☐	☐	☐
22	☐	☐	☐	☐	☐
23	☐	☐	☐	☐	☐
24	☐	☐	☐	☐	☐
25	☐	☐	☐	☐	☐
26	☐	☐	☐	☐	☐
27	☐	☐	☐	☐	☐
28	☐	☐	☐	☐	☐
29	☐	☐	☐	☐	☐
30	☐	☐	☐	☐	☐
31	☐	☐	☐	☐	☐
32	☐	☐	☐	☐	☐
33	☐	☐	☐	☐	☐
34	☐	☐	☐	☐	☐
35	☐	☐	☐	☐	☐
36	☐	☐	☐	☐	☐
37	☐	☐	☐	☐	☐
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39	☐	☐	☐	☐	☐
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41	☐	☐	☐	☐	☐
42	☐	☐	☐	☐	☐
43	☐	☐	☐	☐	☐
44	☐	☐	☐	☐	☐
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46	☐	☐	☐	☐	☐
47	☐	☐	☐	☐	☐
48	☐	☐	☐	☐	☐
49	☐	☐	☐	☐	☐
50	☐	☐	☐	☐	☐
51	☐	☐	☐	☐	☐
52	☐	☐	☐	☐	☐
53	☐	☐	☐	☐	☐
54	☐	☐	☐	☐	☐
55	☐	☐	☐	☐	☐
56	☐	☐	☐	☐	☐
57	☐	☐	☐	☐	☐
58	☐	☐	☐	☐	☐
59	☐	☐	☐	☐	☐
60	☐	☐	☐	☐	☐
61	☐	☐	☐	☐	☐
62	☐	☐	☐	☐	☐
63	☐	☐	☐	☐	☐
64	☐	☐	☐	☐	☐

Figure 1

Mechanical**Weight:** 16.8 oz (475 gm) without cable**Shaft Loading:**

Shaft Diameter	Radial Lbs (kg)	Axial Lbs (kg)	Factor (BL)
3/8" / 8mm	40 (18.1)	30 (13.6)	32
1/2" / 10mm	45 (20.4)	35 (15.9)	37
5/8"	50 (22.7)	40 (18.1)	41

Bearing Life: BL x 1,000,000/rpm = hours**Materials:**

— Case: 1/4" Aluminum, anodized

— Shaft: 303 Stainless steel

— Switch cover: ABS plastic

Outputs**Counts per Revolution:** Selectable by setting switches 1 to 6 (figure 1). Output is "low" when power is initially applied.**Output Format:** Single square wave pulse output (A)**Symmetry:** 180° ± 30%**Pulse interval jitter:** 30% max**Anti-Jitter:** Increases pulse output hysteresis to 1/2 of a pulse width, eliminating any extraneous pulses that might be caused by mechanical vibration.**Electrical Connections**

5-Pin	Single Ended	Wire Color
A	Supply Voltage	Red
B	Common	Black
C	Pulse Output	White
D	not used	—
E	not used	—
6-Pin	Differential Line Driver	Wire Color
A	Common	Black
B	Supply Voltage	Red
C	Pulse output (+A)	White
D	Pulse Output (-A)	Green
E	not used	—
F	not used	—

MODEL NUMBER

RL	P	64AJ				
Model Number	P= Programmable model	Program: name of factory configured program.	Supply Voltage: 5=5vdc, 8-30=8 to 30 vdc	Output Circuit: leave blank for 7272 push/pull, C=7273 open collector, DH=7272 line driver, DL=RS422 line driver with 5vdc output level	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.
Shaft Diameter: blank for 3/8", .5=1/2", .625=5/8", M8=8mm, M10=10mm, D=3/8" double ended						

Example: **RL-P64AJ/8-30** - 3/8" shaft, programmable model factory configured with the 64AJ program, 8-30 vdc, push/pull output, 5-pin connector



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