

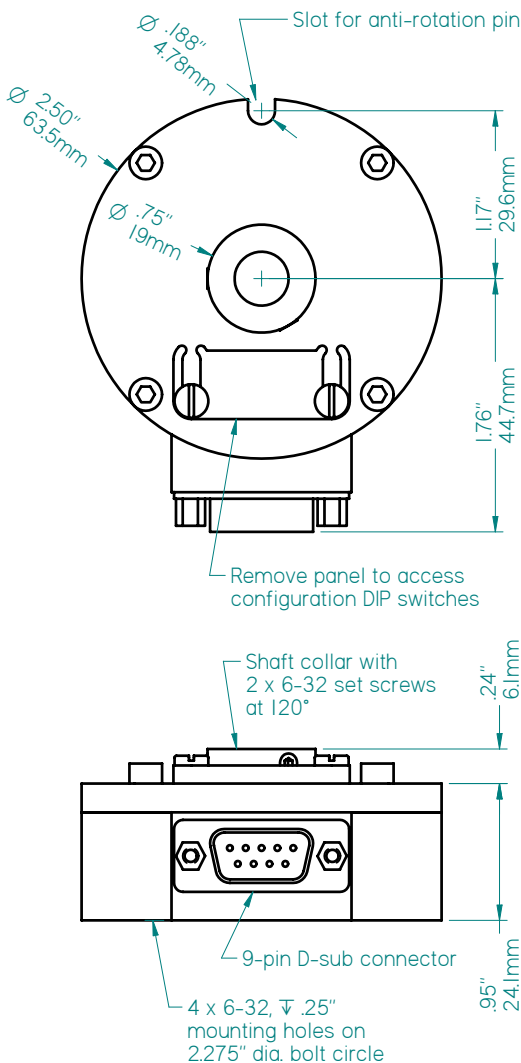
MODEL HS25-P600AJ2 Programmable Dual Output Hollow Shaft

FEATURES

- DIP switch selectable pulses per revolution
- Pulse output with Anti-Jitter feature
- Identical pulses on both outputs (not quadrature)
- CE and RoHS compliant available
- ESD and short circuit protection
- 5 vdc and 8 to 30 vdc supply voltages
- 9-pin D-Sub or 4-pin M12 connector
- Non-programmable models available - see HS25

DIMENSIONS

(shown with 3/8" shaft bore and 9-pin D-sub connector)



SPECIFICATIONS

Mechanical

Shaft Bore: Any up to 3/8", 10mm diameter
Maximum Speed: 2,500 rpm

Shaft Loading:

— Radial: 5.5 lbs. / 2.5 kg max.

— Axial: 2.2 lbs. / 1 kg max.

A flexible mounting bracket is required.

Bearing Life: $42 \times 1,000,000/rpm =$ hours

If the encoder is rigidly attached to the machine frame, the bearings will fail.

Materials:

— Case: Aluminum, anodized

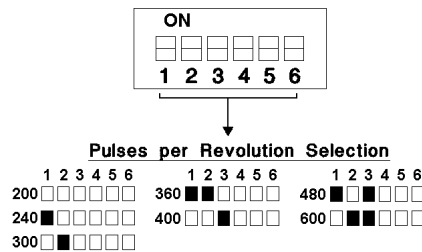
— Shaft: 303 Stainless steel

— Switch cover: ABS plastic

Weight: 5.5 oz. (156 grams)

Enclosure Rating: IP50

Configuration Switches



Switch definitions: □ Off (down), ■ On (up).

Accessories

See our website or contact us for more information about Cables, Flexible Mounting Brackets, and the Anti-Rotation Pin.

Electrical

Supply Voltages: (specify when ordering)

$5 \pm 5\%$ VDC or 8-30 VDC

Current: 50 mA max (no load)

Pulse Rate: 0 - 30 kHz

Operating Temperature: 0° to 70° C

Output Circuit: (specify when ordering)

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

Single Ended:

— 7273 open collector (30vdc/50mA max)

— 7272 Push/Pull (50mA max source/sink)

Differential Line Driver:

— 7272 line driver (output same as input volts)

— RS422 line driver (regulated 5vdc output)

Pulse Output: Two outputs, A and B, have the selected number of 50/50 duty cycle pulses per revolution by setting configuration switches 1 to 6. Both outputs are identical with concurrent rising and falling edges.

Anti-Jitter Feature: Increases pulse hysteresis by 1/2 of a pulse width, eliminating the effects of mechanical vibration and possible dither that results in false output pulses.

Electrical Connections

Single Ended Outputs:

9-pin D-sub Pin No.	4-pin M12 Pin No.	Function	Wire Color
1	3	Common	Black
2	1	+vdc	Red
3	4	Output A	White
4	2	Output B	Green
5-9		not used	-

Differential Line Driver Outputs:

9-pin D-sub Pin No.	Function	Wire Color
1	Common	Black
2	+vdc	Red
3	Output +A	White
4	Output +B	Green
6	Output -A	Blue
7	Output -B	Brown
5, 8, 9	not used	-

MODEL NUMBER

HS25		P	600AJ2					
Model Number		P = Programmable model	Program: name of factory configured program.					
Shaft Bore: A = 5/16", B = 3/8", C = 1/4", .188" = 3/16", M6 = 6mm, M8 = 8mm, M10 = 10mm								
Supply Voltage: 5 = 5vdc, 8-30 = 8 to 30 vdc								
Output Circuit: leave blank for push/pull C = NPN open collector, DH = 7272 line driver DL = RS422 line driver								
Connector: leave blank for 9-pin D-Sub, S3 = 4-pin 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: HS25B-P600AJ2/8-30 - 3/8" shaft bore, programmable model factory configured with the 600AJ2 program, 8-30 vdc, push/pull output, 9-pin D-Sub connector



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