MOUNTING INSTRUCTIONS

1

Snap-In Plastic Track (Included with IB-G)

Screw track in place. (Screws NOT included.)

Insert IB-G, top first, then snap in bottom by pressing on the terminal strip (Do not press on the LED’s or other components.)

Non-metallic Standoffs [Not included with IB-G]

Screw standoffs in place (8-32 thread or smaller).

2.5” center to center

Screw IB-G to standoffs. (Screws NOT included.)

2

SETUP IB-G

Install jumper to set control signal.

0-10V

4-20mA 300Ω

4-20mA 600Ω

4-20mA 1000Ω

4-20mA 1200Ω
SETUP IB-G

Set dip switches for valve type and operation.

1596 steps / Bipolar
2500 steps / Bipolar
3193 steps / Bipolar
6386 steps / Bipolar
500 steps / Unipolar
1596 steps / Unipolar

Note: The selection of “unipolar” will override dip switch No. 7: (1) 200 pps for “1596” step valves. (2) 30 pps for “500” step valves. Details of the other settings (5 valve direction, 6 responsive time, 7 valve opening/closing speed, and 8 close valve) can be found in the IB-G I/O manual.

WIRE IB-G

WARNING: Do not apply power to the IB-G until wiring is complete, and remove power before making any wiring changes.

Bipolar Valve

4-20mA or 0-10V Control Signal

S+  S-

OPN  CLS  REF

B  W  G  R

24V+  24V-

Power

Digital Inputs

Winding A

Black wire
White wire
Green wire
Red wire

Unipolar Valve

4-20mA or 0-10V Control Signal

S+  S-

OPN  CLS  REF

B  W  G  R

24V+  24V-

Power

Digital Inputs

Winding A

Orange wire
Grey wire
Yellow wire
Black wire

Notes: Transformer requirements: One stepper motor valve per IB-G (30 VA per IB-G board). Two stepper motor valves per IB-G (40VA per IB-G board). Only one unipolar valve can be driven per IB-G. Power supply requirements: One leg of the 24V supply must be connected to all of the IB-G boards at the “24V+” terminal. The other leg of the 24V supply must be connected to all of the IB-G boards at the “24V-” terminal. 3.5 in.-lbs. maximum torque on all screw terminals.

Sporlan IB-G Installation and Operation Manual
For detailed instructions, scan this QR code or go to www.sporlanonline.com/electronic-controls and download Bulletin 100-50-2.1.