

Universal DC Solenoid and Valves

Unimax S-305DC



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DIG's Unimax S-305DC solenoid is a two-way magnetic latching solenoid with the ability to adapt to various brand name valves using DIG's assortment of threaded adapters. The solenoid can also operate with various two-wire DC controllers available on the market to a distance of up to 200 ft using 14-AWG wire. The S-305 uses a sealed plastic over-molding to prevent water or contaminants from entering the solenoid housing. The normal actuation of the S-305 is via a bidirectional pulse.

Features

- Adapts to a wide range of valves using our valve adapters
- Uses sealed plastic over-molding technique for a waterproof construction
- Contains an encapsulated plunger and spring for reliable operation
- Has two 16-AWG color-coded 18" wires



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Specifications:

- Solenoid actuator thread: 11/16"-12 UN
- Operating pressure: 10-150 PSI (.7-10.5 BAR)
- Control orifice: .065" ± 0.001 (1.65 mm)
- Pilot flow: minimum .075 GPM at 80 PSI (2.83 L/H at 5.6 BAR)
- Temperature Range: 32-170°F (0-77°C)
- Weight: 4.2 oz (120 g)

Materials:

- Solenoid Housing Over Mold: Nylon
- Solenoid Housing Base: Nylon
- Inside Housing Stainless Steel Parts: 430F
- Plunger Rubber Cap: EPDM
- O-ring: Buna-N

Dimensions:

- Diameter: 1.225" (3.1 cm)
- Overall Length: 2.5" (6.35 cm)



How to specify

Model	Description
For use with LEIT-2 ET controllers only	
S-305DC	DC Solenoid (6-12 volt) with 11/16"-12 UN thread
S-305DC-10	DC Solenoid (6-12 volt) with 11/16"-12 UN thread (pack of 10)
S-305DCA	DC Solenoid (6-12 volt) with 11/16"-12 UN thread and four adapters for DIG, Rainbird, Toro and Hunter

Electrical Specifications:

- Two-way magnetic latching, bidirectional pulse
- Coil operating data:
 - Coil resistance 4.7 +/- 0.3 Ohmi,
 - Minimum pulse 10 mS duration at 6-12 Volts
 - Red + and white - to latch open
 - Red - and white + to release and close
- Leads: 18" (45 cm) AWM style 1007 16-AWG red and white wires

Seven adapters to fit a wide range of valves



How to specify

Model	Description
For use with LEMA 1600HE and S-305DC solenoids only	
30-920	BERMAD series 200, HIT series 500, DOROT series 80, GRISWOLD series 2000, DW and BUCKNER series VB valves
30-921	RAIN BIRD DV, DVF, PGA, PEB (1" only), GB, EFB-CP, BPE, PESB (1" only) and ASVF valves
30-922	HUNTER series ASV, HPV, ICV, PGV, SRV, IBV and ASVF valves
30-923	WEATHERMATIC series 12000, 21000 and 8200CR valves
30-924	IRRITROL series 100, 200B, 205, 217B, 700, 2400, 2500 and 2700 valves, and TORO series 220 and P220 valves
30-925	SUPERIOR series 950, HUNTER HBV and TORO series 252 valves (1.5" and larger)
30-926	RAIN BIRD series PEB and PESB valves