



**Dwyer**



### DESCRIPTION

The **Dwyer Series WPR Photohelic® Differential Pressure Switch/Gauge** combines two versatile, precise pressure switches with a time-proven Magnehelic® pressure gauge. The gauge reading is unaffected by switch operation. External knobs are used to adjust the two DPDT switch setpoints. Switch setpoints (indicated by red pointers) and system pressure are fully visible at all times. Ranges are available from 0" to 0.25" W.C. up to 10" W.C. full scale. The **A3000 Series** may be ordered with the switch assembly remote mounted to facilitate panel mounting.

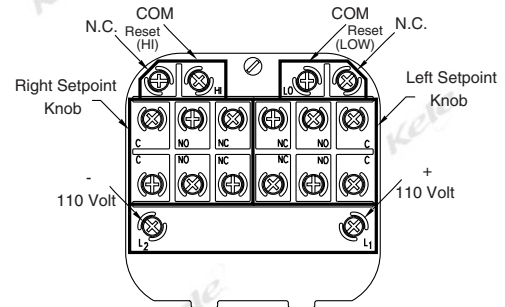


A3002

### FEATURES

- **Two independent DPDT switches, externally adjustable**
- **Dependable Magnehelic® pressure indication**
- **2% F.S. accuracy**
- **Visible switch set points and pressure indication**
- **Easily accessible zero adjustment**
- **4" (10.2 cm) easy-to-read white dial**
- **Optional manual reset**
- **Optional remote mounting of switch assembly**
- **UL listed, CSA and CE certified**

### WIRING



### SPECIFICATIONS

#### Gage Specifications

<b>Accuracy</b>	±2% of FS at 70°F (21.1°C), ±3% on -0 and ±4% on -00 models
<b>Service</b>	Air and non-combustible, compatible gases
<b>Pressure Limits</b>	-20" Hg to 25 psig (-67.7 to 172 kPa)
<b>MP Option</b>	35 psig (241 kPa)
<b>HP Option</b>	80 psig (551 kPa)
<b>A36003S-36010S</b>	150 psig (1034 kPa)
<b>A36020S and higher</b>	1.2 x full-scale pressure
<b>Temperature Limits</b>	20° to 120°F (-6.67° to 48.9°C)
<b>Process Connections</b>	1/8" female NPT
<b>Size</b>	4" (101.6 mm) dial face, 5" (127 mm) OD x 8 1/4" (209.55 mm)
<b>Weight</b>	4 lb (1.81 Kg)

#### Switch Specifications

<b>Contact Type</b>	Each setpoint has 2 Form C relays (DPDT)
<b>Repeatability</b>	± 1% of FS
<b>Electrical Rating</b>	10A @ 28 VDC, 10A @ 120, 240 VAC
<b>Electrical Connections</b>	Screw terminals. Use 167°F (75°C) copper conductors only
<b>Power Requirements</b>	120 VAC, 50/60 Hz; 240 VAC & 24 VAC power optional
<b>Mounting Orientation</b>	Diaphragm in vertical position.
<b>Set Point Adjustment</b>	Adjustable knobs on face
<b>Approvals</b>	CE, CSA, UL File #E38121
<b>Warranty</b>	1 year

### ORDERING INFORMATION

MODEL	RANGE "W.C."	MINOR DIVISION	MODEL	RANGE "W.C."	MINOR DIVISION
A3000-00	0-0.25	0.005	A3004	0-4.0	0.10
A3000-0	0-0.50	0.01	A3005	0-5.0	0.10
A3001	0-1.0	0.02	A3006	0-6.0	0.20
A3002	0-2.0	0.05	A3008	0-8.0	0.20
A3003	0-3.0	0.10	A3010	0-10	0.20

#### OPTIONS

<b>RMR</b>	Remote mounting gauge and separate relay assembly with 5ft (12.7 cm) interconnecting cable (additional cable available in 5ft increments)	Contact Kele for pressure ranges other than those shown (metric ranges, air velocity scales, etc.)
<b>TAMP</b>	Tamper-proof knobs	
<b>A-601</b>	Manual reset switch (one required for each circuit)	

#### RELATED PRODUCTS

<b>A-301-K</b>	Duct static pressure tip, 1/4" compression
<b>A-302-K</b>	Duct static pressure tip, 1/4" barb
<b>A-345-K</b>	Flange mounting kit (1 required for each A-301-K or A-302-K)
<b>T-101</b>	1/4" OD black poly tubing, 1 coil, 250 ft (76 m)