

G-2010 Air Pressure Gages

The G-2010 Air Pressure Gages provide continuous visual indication of air pressure or On-Off status in pneumatic control systems. The gages are available in standard sizes of 1-1/2 to 3-1/2 in. (38 to 89 mm) with various mounting configurations (see Table 1).

The dull black lacquer finish and black printing contrast with the white dial face for easy readability and attractive appearance. The equivalent metric scale is printed in blue. The clear plastic protective lens screws off for cleaning. A chrome ring borders the snap-on plastic lens of the 2 in. gages.

The On-Off indicator is divided into bright fluorescent segments which change from red to green as the pressure changes from zero to maximum or vice versa. This indicator may be used with either a 0 to 15 or 0 to 20 psig (0 to 105 or 0 to 140 kPa) supply system.

Mounting

The 2, 2-1/2, and 3-1/2 in. gages can be flush or surface mounted. For flush mounting, U-clamps are furnished with break-off notches to accommodate panel thicknesses from 1/16 to 3/4 in. (2 to 19 mm).

Repair Information

Field repairs must not be made. For a replacement G-2010, contact the nearest Johnson Controls branch office.



Fig. 1: 1-1/2 in. Pressure Gage



Fig. 2: 2 in. On-Off Indicator



Fig. 3: 3-1/2 in. Pressure Gage

Table 1: Models

| Gage Size (in.) | Range (PSIG/kPa) | Mounting | | Connection (Center Back Except Where Noted) | Shipping Weight lb [†] | G-2010 Suffix |
|-----------------|--------------------|------------------|------|---|---------------------------------|---------------|
| | | Flush or Surface | Stem | | | |
| 1-1/2 | 0 to 30/0 to 200 | | X | 1/8 in. NPT | 0.2 | -5 |
| | | On/Off Indicator | X | 1/8 in. NPT | 0.5 | -1 |
| | 0 to 30/0 to 200 | | X | 1/8 in. NPT | 0.3 | -11 |
| 2 | 0 to 100/0 to 700 | | X | 1/8 in. NPT | 0.4 | -101 |
| | | | X | 1/4 in. NPT Center Bottom | 0.3 | -16 |
| | 0 to 160/0 to 1100 | | X | 1/8 in. NPT | 0.3 | -24 |
| | | | X | 1/4 in. NPT | 0.3 | -17 |
| 2-1/2 | 0 to 30/0 to 200 | X | | 1/8 in. NPT | 0.5 | -300 |
| | 0 to 100/0 to 700 | X | | 1/8 in. NPT | 0.5 | -302 |
| 3-1/2 | 0 to 30/0 to 200 | X | | 1/8 in. NPT | 1.1 | -400 |
| | 0 to 160/0 to 1100 | X | | 1/8 in. NPT | 1.1 | -403 |

[†]lb x 0.454 = kg

Specifications

| | |
|----------------------------|--|
| Product | G-2010 Air Pressure Gages |
| Models | See Table 1 |
| Accuracy | 3-2-3% of Full Range per ANSI Spec. B40.1M |
| Ambient Temp Limits | -20 to 150°F (-29 to 66°C) |
| Air Connection | See Table 1 |
| Mounting | See Figs. 4 and 5 |

The performance specifications are nominal and conform to acceptable industry standards. For application at conditions beyond these specifications, consult the local Johnson Controls office. Johnson Controls, Inc. shall not be liable for damages resulting from misapplication or misuse of its products.

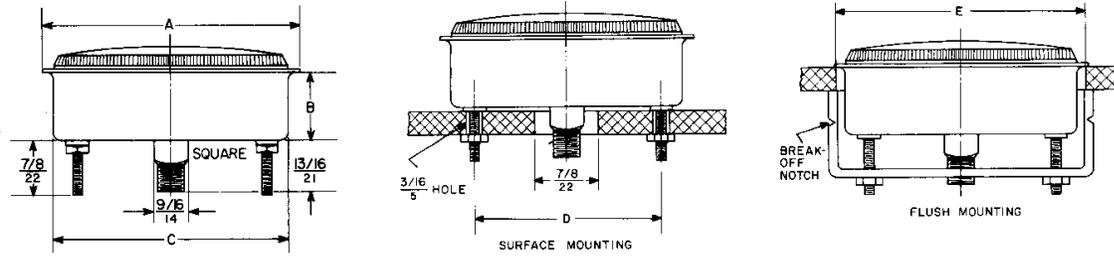


Fig. 4: Flush or Surface Mounted Gages (See Table 2)

Dimensions $\frac{\text{in.}}{\text{mm}}$

Table 2: Flush or Surface Mounted Gages

| Gage Size (in.) | Dimensions $\frac{\text{in.}}{\text{mm}}$ | | | | |
|-----------------|---|--------------------|----------------------|----------------------|--------------------|
| | A | B | C | D | E |
| 2 | $\frac{2-7/16}{62}$ | $\frac{15/16}{24}$ | $\frac{2-1/16}{52}$ | $\frac{1-1/2}{38}$ | $\frac{2-1/8}{54}$ |
| 2-1/2 | $\frac{2-13/16}{71}$ | $\frac{15/16}{24}$ | $\frac{2-19/32}{66}$ | $\frac{1-7/8}{48}$ | $\frac{2-5/8}{67}$ |
| 3-1/2 | $\frac{4}{102}$ | $\frac{29/32}{23}$ | $\frac{3-21/32}{93}$ | $\frac{2-15/16}{75}$ | $\frac{3-3/4}{95}$ |

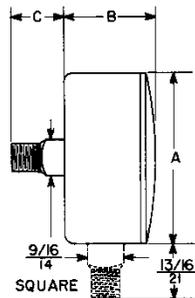


Fig. 5: Stem Mounted Gages (See Table 3)

Dimensions $\frac{\text{in.}}{\text{mm}}$

Table 3: Stem Mounted Gages

| Gage Size (in.) | Dimensions $\frac{\text{in.}}{\text{mm}}$ | | |
|-----------------|---|---------------------|--------------------|
| | A | B | C |
| 1-1/2 | $\frac{1-5/8}{41}$ | $\frac{31/32}{25}$ | $\frac{3/4}{19}$ |
| 2 | $\frac{2-5/32}{55}$ | $\frac{1-1/16}{27}$ | $\frac{13/16}{21}$ |

Application and Drawing Identification



3-1/2 in.



2-1/2 in.



1-1/2 in.



ON-OFF INDICATOR

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CONTROLS

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