

# HAZARDOUS LOCATIONS

## EXPLOSION PROOF PRESSURE CONTROLS J120 AND H121 SERIES



### DESCRIPTION

The **United Electric J120 and H121 series explosion proof air and water pressure switch** monitors air and water pressure in a hazardous environment. The **J120** series have a single SPDT contact. The **H121** series has a single SPDT contact and reference dial for local indication.

**NEW!**

**UE** UNITED ELECTRIC  
CONTROLS



J120 AND H121



### FEATURES

- **Class I, Division 1 and Division 2, Groups B, C, D**
- **Class II, Division 1 and Division 2, Groups E, F, G; Class III**
- **Low end of range on fall, high end on rise**
- **SPDT 15A contacts**

### SPECIFICATIONS

<b>Switch</b>	SPDT, 15A @ 125/250/480 VAC	<b>Burst Pressure</b>	400 psig (kPa)
<b>Operating Temperature</b>	-58° to 160°F (-50° to 71°C)	<b>Dimensions</b>	5.3" H x 6" W x 5.1" D (13.5 x 15.2 x 12.9 cm)
<b>Connections</b>	1/4" NPT	<b>Approvals</b>	UL File #E40857, CE
<b>Diaphragm</b>	Buna-N	<b>Weight</b>	3 lb (1.4 kg)
<b>Area</b>	Class I, Division 1 & Division 2, Groups B, C, D; Class II, Division 1 & Division 2, Groups E, D, G; Class III	<b>Warranty</b>	1 year

### ORDERING INFORMATION

Model	Setpoint Range	Differential Range (Progressive based on setpoint)		
		Deadband @ Minimum Setpoint	Deadband @ Maximum Setpoint	Dial
<b>H121-450</b>	-30 "Hg-0 psi (762 mm Hg - 0 kPa)	0.1 "Hg (2.5 mm Hg)	0.4 "Hg (10 mm Hg)	Yes
<b>H121-452</b>	-30 "Hg-20 psi (762 mm Hg - 137 kPa)	0.1 "Hg (2.5 mm Hg)	1 "Hg (25 mm Hg)	Yes
<b>H121-453</b>	0-20 psi (0-137 kPa)	0.05 psi (0.3 kPa)	0.2 psi (1.4 kPa)	Yes
<b>H121-454</b>	0-30 psi (0-206 kPa)	0.05 psi (0.3 kPa)	0.3 psi (2.7 kPa)	Yes
<b>H121-701</b>	3-30 psi (20.7-206 kPa)	1 psi (6.9 kPa)	3 psi (20.7 kPa)	Yes
<b>H121-702</b>	10-100 psi (68.9-689 kPa)	1 psi (6.9 kPa)	5 psi (34.5 kPa)	Yes
<b>H121-703</b>	30-300 psi (206-2068 kPa)	2 psi (13.8 kPa)	7 psi (48.3 kPa)	Yes
<b>J120-701</b>	1.5-30 psi (10.3-206 kPa)	1 psi (6.9 kPa)	2 psi (13.8 kPa)	No
<b>J120-702</b>	3-100 psi (20.7-689 kPa)	1 psi (6.9 kPa)	4 psi (27.6 kPa)	No
<b>J120-703</b>	9-300 psi (62-2068 kPa)	1 psi (6.9 kPa)	5 psi (34.5 kPa)	No
<b>J120-450</b>	-30 "Hg to 3 "Hg (762 mm Hg - 62 mm Hg)	0.1 "Hg (2.5 mm Hg)	0.3 "Hg (7.6 mm Hg)	No
<b>J120-451</b>	2-80 in wc (0.5 - 19.9 kPa)	0.8 in wc (0.2 kPa)	2 in wc (.5 kPa)	No
<b>J120-452</b>	-30 "Hg-20 psi (762 mm Hg - 137 kPa)	0.1 "Hg (2.5 mm Hg)	0.4 "Hg (10 mm Hg)	No
<b>J120-453</b>	0.5-20 psi (3.4-137 kPa)	0.05 psi (0.3 kPa)	0.1 psi (0.7 kPa)	No
<b>J120-454</b>	0.8-30 psi (5.5-206 kPa)	0.05 psi (0.3 kPa)	0.2 psi (1.4 kPa)	No

### RELATED PRODUCTS

**ACK6F**  
**EYM-50**

Cement: 1.9 lb \* (0.9 kg) Fiber: 0.3 LB (0.14 kg), 25 cu in (410 cu cm) volume when set  
1/2" size, 1.06" turning radius, 1 oz Kwiko cement required,  
Malleable Iron construction  
**\* Consists of five 0.4 lb (0.19 kg) cement pouches**

8

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