



J21K

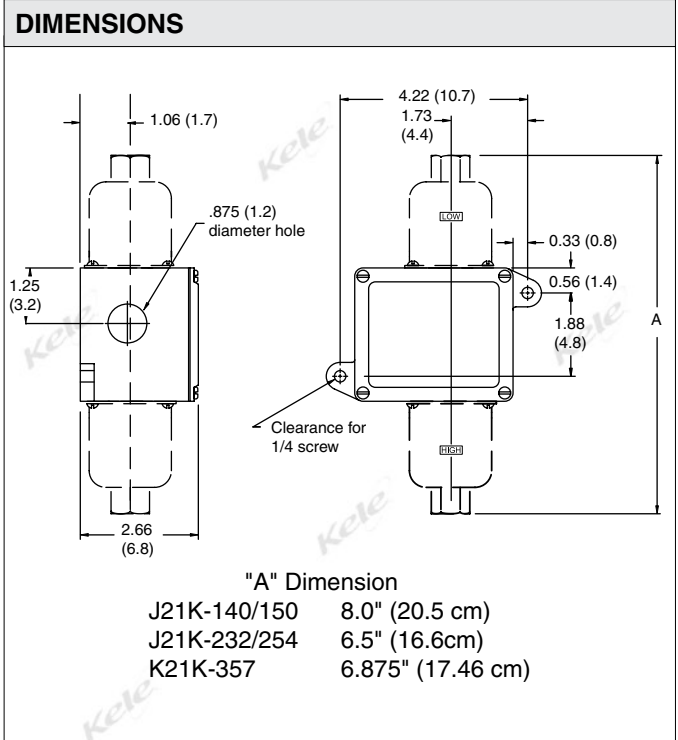
### DESCRIPTION

The **United Electric J21K Series Differential Pressure Switches** utilize opposing metal bellows to detect pressure differences between two pressure sources. When the pressure at the high port exceeds the pressure at the low port by a pre-determined amount (setpoint), the mechanism operates a single snap-action switch. The control setpoint can be adjusted by turning the internal adjustment hex screw.

### FEATURES

- **Adjustable setpoint**
- **Sealed metal bellows**
- **15A switch rating**
- **Epoxy coated enclosure**

SPECIFICATIONS	
<b>Setpoint Range</b>	
J21K-140	0 to 6 psi (0 to 41 kPa)
J21K-150	0 to 40 psi (0 to 276 kPa)
J21K-232	0 to 25 psi (0 to 172 kPa)
J21K-254	0 to 90 psi (0 to 621 kPa)
J21K-357	0 to 70 psi (0 to 483 kPa)
<b>Operating Pressure</b>	
J21K-140	30" Hg vac to 30 psi (1241 kPa)
J21K-150	30" Hg vac to 180 psi (1241 kPa)
J21K-232	30" Hg vac to 110 psi (759 kPa)
J21K-254	30" Hg vac to 120 psi (828 kPa)
J21K-357	30" Hg vac to 350 psi (2413 kPa)
<b>Contact Rating</b>	15A resistive, 125/250/480 VAC
<b>Contact Type</b>	SPDT
<b>Deadband</b>	
J21K-140	0.1 to 0.4 psi (0.7 to 3 kPa)
J21K-150	0.3 to 0.7 psi (2 to 5 kPa)
J21K-232	0.6 to 1 psi (4 to 7 kPa)
J21K-254	2 to 4 psi (14 to 28 kPa)
J21K-357	2 to 4 psi (14 to 28 kPa)
<b>Operating Temperature</b>	-40° to 160°F (-40° to 71°C)
<b>Wetted Parts</b>	Brass or phosphor bronze bellows
<b>Process Connection</b>	1/4 NPTF
<b>Enclosure</b>	Type 4X (with water tight conduit fitting)
<b>Approvals</b>	UL listed, file #E42272, CE
<b>Weight</b>	2 lb (0.9 kg)
<b>Warranty</b>	1 year



### ORDERING INFORMATION

MODEL	DESCRIPTION
J21K-140	Differential pressure switch, brass bellows, 0 to 6 psi (0 to 41 kPa)
J21K-150	Differential pressure switch, brass bellows, 0 to 40 psi (0 to 276 kPa)
J21K-232	Differential pressure switch, bronze bellows, 0 to 25 psi (0 to 172 kPa)
J21K-254	Differential pressure switch, bronze bellows, 0 to 90 psi (0 to 621 kPa)
J21K-357	Differential pressure switch, stainless steel bellows, 0 to 70 psi (0 to 483 kPa)