

## Capacitive Level Switch PEK652



### Description

The PEK-652 is a capacitive technology level switch that does not have any moving parts, no jams, no wear, nothing to break, and no maintenance. State of the art sensing technology in the PEK-652, using impulse RF admittance measurement combined with an active guard, provides excellent level measurement and stability while being insensitive to material buildup.

This technology also provides immunity to external RF sources like walkie-talkies and cell phones as well as minimal interference with radio communication or other electronic systems.

### Device Features

**Calibration:** Need to turn calibration pots, one for sensitivity adjustment and other for Delay time setting.

**Coat guard:** Unit is not affected by sticky, dusty, or clingy materials that coat or build up on the probe, preventing false alarms

**Universal Power Supply:** PEK-652 works from 12 to 24 VAC/DC without any jumpers or settings.

**Set Point Adjustment:** 2 trimmer for sensitivity adjustment and delay time setting

## Specifications

<b>Power Supply</b>	
Supply Voltage	12 to 33 VDC
<b>Specifications</b>	
Power Consumption	4.5 V.A
Service	Liquids, powder, and bulk materials compatible with wetted materials
Switch Type	DPDT
Sensitivity	0 - 20 pF
Output Contact	DPDT 5A/125VAC/30VDC
Wetted Materials	316 SS and poly tetra Fluoro Ethylene (PTFE)
Temperature limits	-25 °C to +65°C
Protection grade	IP65
Enclosure rating	Weatherproof, NEMA 4X (IP65)
<b>Performance Characteristic</b>	
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Electrical connection	NPT conduit opening, screw termination with removable 1/2" terminal block
Process connection	M38 * 1.5
Mounting Orientation	Vertical or horizontal
Response Time	0.2 Sec.
Time Delay	Max. 10 Sec.
Resolution	1µA
<b>Mechanical features</b>	
Body material	Aluminum alloy



