

Technical Data Sheet



RF LEVEL POSITION SWITCH :

JAYCEEVECTOR :



TECHNICAL SPECIFICATIONS:

Process connection	: ½ " BSP/ NPT
Probe Insulation	: PTFE
Housing	: stainless steel
Ambient Temperature	: -20...60°C
Process Temperature	: -20...80°C
Protection	: Weather proof
Installation	: Top/ Side mounting
Connection Cable	: 1.5 meter , 3 wire
Cable gland	: PG7
Input supply	: 12...30 V DC, 15 mA max
Power – up time	: 2 sec.
Hysteresis	: ± 1 mm
Repeatability	: ± 1 mm
Reaction time	: 0.2 sec. Type
Output(active) protectd	: Max.100 mA,short-circuit
Output Type	: PNP standard
Fail Safe	: High/ Low selectable

SALIENT FEATURES:

- Compact design, so suitable for small vessels.
- Auto tunes for every emptying cycle.
- Precise switch point even when coated.
- Unaffected by slow variations in humidity and

THEORY:

Capacitance type level limit detection has been widely used in the past to solve level detection problems in various applications. Their successful operation used to depend on the knowledge and experience of site conditions and skill of calibration.

Vector series of compact capacitance switches have this intelligence built into the system and so do not need complicated skilled calibration. It is simply plug and play , fit and forget concept.

The moment the instrument is installed and switched and switched ON it evaluates the initial capacitance and waits for the material level to rise. When covered, it detects the material and indicates the status.

When the level recedes it automatically tunes to the ne value of capacitance that may have occurred occurred due to change in environment in the vicinity of the probe, or due to residual material coating.

It is now ready to detect the next rise in level. The auto tuning is refreshed every emptying cycle, thus, maintaining appropriate sensitivity throught.

Slow changes due to changes in moisture, humidity and temperature are also taken into account by the long term filtering and averaging algorithm thereby making the system very reliable.

YOUR APPLICATION, OUR SOLUTIONS:

- **Level detection for storage tanks, and**

<p>temperature.</p> <ul style="list-style-type: none"> • Reverse polarity protection. • Open collector PNP output current limited to 100 mA as standard. • Built in LED indicators for status, alarm & normal operation. • High or Low fail safe selected provided. • Microcontroller Based. <p>Customize your Vector :</p> <p>Customize Vector, according to their application requirement.</p> <p>- We cater to the needs of industries such as food & beverages, petrochemical etc.</p> <p>Providing unique solutions to our clients in a perfect way.</p>	<p>pipelines-</p> <p>Point level detection of high and low filling level.</p> <ul style="list-style-type: none"> • Level Detection in light weight and powdered media <p>Point level detection in foamy and powery media.</p> <ul style="list-style-type: none"> • Level detection in Non Conductive sticky media and Liquids <p>Point level detection in sticky, pasty, viscous media, even after coating.</p> <ul style="list-style-type: none"> • Level detection in solid media • Protection pumps from running dry.
---	---

Continuous efforts for product development may necessitate changes in specifications without Notice

<p style="text-align: center;">JAYCEE TECHNOLOGIES PRIVATE LIMITED</p> <p style="text-align: center;">REPRESENTED BY:</p> <p>Mobile: 8554982251/ 9371068669 ; e-mail : sales@jayceetech.in, jayceetech@gmail.com</p>
