



## CAPACITANCE TYPE TWO POINT / DUAL LEVEL SWITCH SERIES - 112



Series 112 is a versatile Capacitance Type Two Point/Dual Level Switch which can be used in a variety of applications for detecting/controlling level of solids/liquids when used with suitable probe unit(s).

The two point level switch uses single probe and provides two setpoints whereas dual level switch works with two independent probes and provides single setpoint on each probe.

Level switch consists of electronic control circuit housed in weatherproof enclosure whereas probe unit consists of electrode, transducer and weather proof/ flameproof probe head to house transducer.

For selection of suitable probe unit for your applications refer to leaflet LF-114-0803 (For liquids) & LF-114-0804 (For solids).

### FEATURES

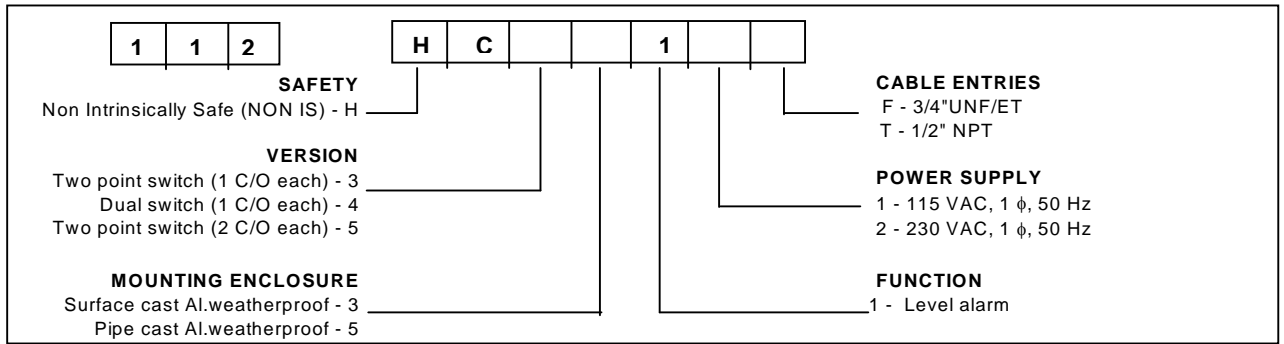
- ❑ Surface / Pipe mounting versions.
- ❑ Buffered output for adding extra setpoints.
- ❑ Non interacting setpoints for ease of calibration.

### SPECIFICATIONS

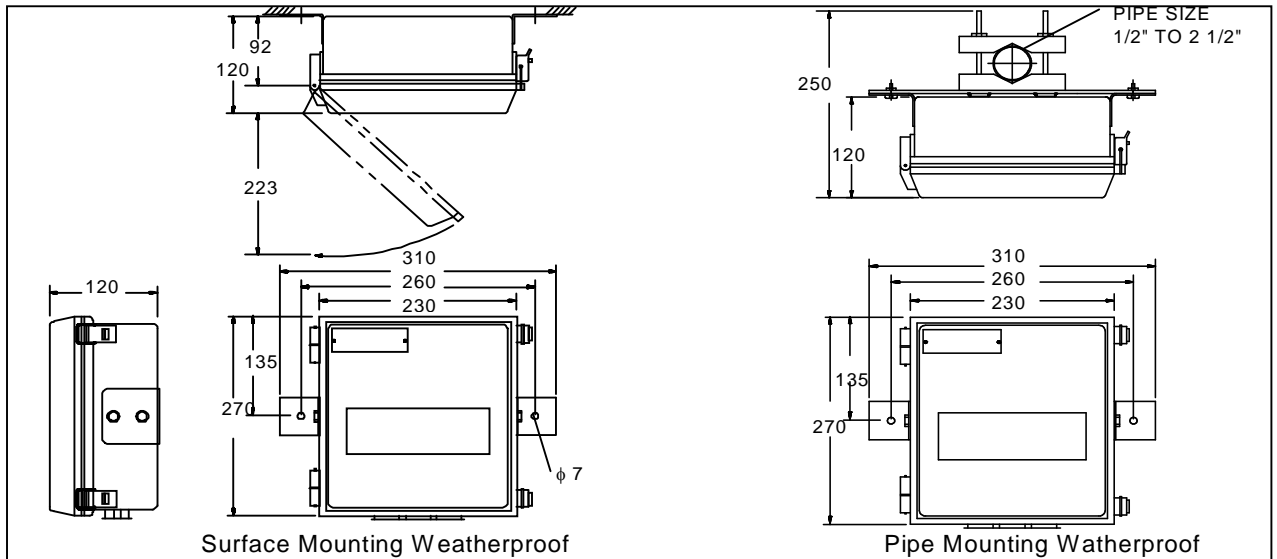
- ❑ Input :  
Voltage signal from transducer in probe head
- ❑ Relay contacts :  
1 C/O per setpoint rated 5A, 230 VAC/24VDC (Resistive) OR  
2 C/O per setpoint rated 5A, 230 VAC/24VDC (Resistive) - (for two-point switch only)

- ❑ Failsafe features :  
Factory settable Failsafe high (FSH) or Failsafe low (FSL)
- ❑ Controls :  
Potentiometers to set level alarms
- ❑ Indications :  
Red LED's for mains ON & level alarms
- ❑ Sensitivity :  
± 0.5% of probe output
- ❑ Ambient conditions :  
Temperature - 0 to 55°C  
Relative humidity - 95% max (non condensing)
- ❑ Calibration :  
By physically changing level in tank
- ❑ Termination :  
Suitable for 2.5mm<sup>2</sup> conductor size
- ❑ Cable entry : (5 nos.)  
3/4" UNF/ET (F) OR  
1/2" NPT (F)
- ❑ Cabling between Switch & Probe Head :  
3x1.5mm<sup>2</sup> Cu. cable - Upto 500 mtrs.  
3x2.5mm<sup>2</sup> Cu. cable - Upto 1000 mtrs.
- ❑ Enclosure :  
Weatherproof cast aluminium polyurethane painted conforming to IP-55 as per IS: 2147 suitable for surface/pipe mounting
- ❑ Weight :  
6.5 kg (approx.)

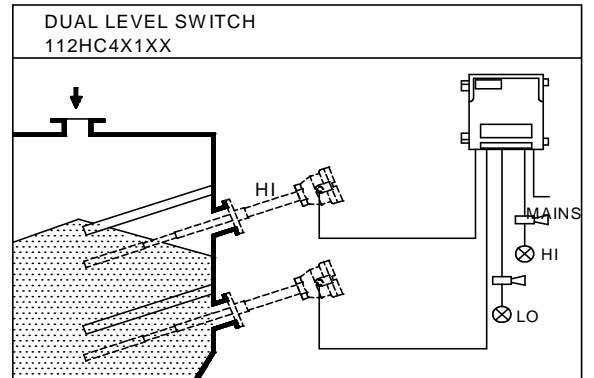
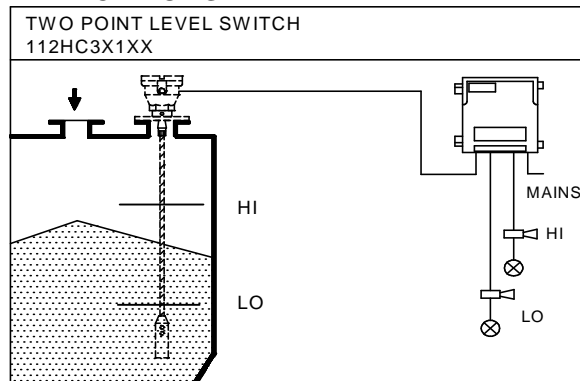
## ORDERING CODE



## DIMENSIONS



## APPLICATIONS



\*\*\*Continuous developments may necessitate changes without notice

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