The Series CLS2 Capacitive Level Switch is a capacitive technology level switch which can be used for liquids, powders, and bulk materials. It is offered with PVDF and 316 SS wetted material, weatherproof enclosure, DPDT output and a variety of process connections.

FEATURES/BENEFITS
• No moving parts permitting for no jams, no wear, nothing to break, and no maintenance
• Impulse RF admittance measurement combined with an active guard, provides excellent level measurement and stability while being insensitive to material buildup
• Immune to external RF sources like walkie-talkies and cell phones as well as minimal interference with radio communication or other electronic systems
• Automatic calibration with no need to turn calibration pots, just push the calibration button and an external magnet to activate the calibration without having to open the enclosure saving time
• Coat guard probe is not affected by sticky, dusty, or clingy materials that coat or build preventing false alarms
• Status indication via an ultra-high brightness external red LED switch status indicator, and internal indicators for power, sensor, and switch status that can be seen externally with window cap option (external LED on weatherproof model only)
• Can be used for liquid interface applications to detect the level of two immiscible liquids that have different dielectric constants such as oil and water
• Fail safe setting with output switches that can be set for NO or NC condition on loss of power
• Time delay prevents false alarms from material splashing, agitation, etc.
• Removable terminal block snaps in and out enabling easy wiring outside of the enclosure
• Universal power supply with one model that works from 12-240 VAC/DC without any jumpers or change of setting

APPLICATIONS
• Sewage and wastewater
• Food and beverage
• Pharmaceuticals
• Sumps
• Boilers and steam generators
• Caustics and acids
• Reservoirs

MODEL CHART

Example: CLS2-W11RK1-019-M20
Series CLS2 Capacitive level switch
Enclosure Weatherproof
Switch DPDT rated 8 A @ 12/240 VAC, 30 VDC res.
Power Supply 12-240 VAC/DC
Probe Type R Standard rod: 316 SS, 3/8” diameter
T Threaded rod: 316 SS (can attach 47” (1.2 m) field extensions.*)
C Cable: 316 SS with weight
Insulator Material PVDF
Process Connection 1/2” male NPT
2 1” male NPT
3 1-1/2” male NPT
4 3/4” BSPT
5 1” BSPT
6 1-1/2” BSPT
8 1”-1/2” sanitary clamp
9 2” sanitary clamp
Probes Length XXX Insertion length in inches. Example 019 is 19” length. (Minimum length is 6”, with 3/4” sensing tip)
Options M20 M20 conduit connection with cable gland
WC Window cap

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*Extension rods sold separately.

SERIES CLS2 | PROXIMITY® BY DWYER
CAPACITIVE LEVEL SWITCH
Powder, Bulk, or Liquids, Auto-Calibration