

# Binswitch Elite

BETTER BY DESIGN

## Binswitch Elite Capacitance Point Level Indicator

### APPLICATION

Detects level or plug situations in bulk granular solids or liquids.

### METHOD OF OPERATION

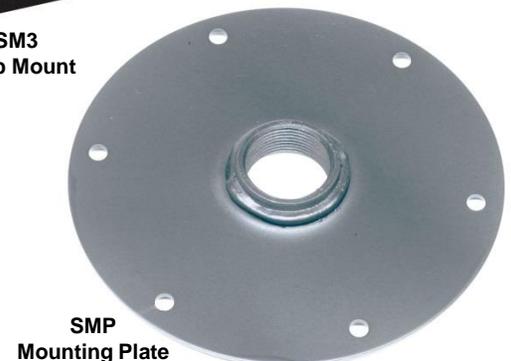
The Binswitch Elite sensor detects level or plug situations for bulk granular solids or liquids in tanks, bins, or silos and can be used as a plug or choke detector in chutes, conveyors and elevator legs. The sensor is fully encapsulated in a 30 mm diameter nylon body that is corrosion and abrasion resistant, dust-tight and waterproof. The Binswitch Elite operates by detecting capacitance change when material is present. A user selectable relay output can be magnetically calibrated to be normally energized or de-energized, and during calibration the sensor automatically compensates for material build up, shields or attached metal probes.

### FEATURES

- ▶ Level or Plug Sensing Applications
- ▶ Magnetic Calibration
- ▶ Adjustable Sensitivity
- ▶ IP65 Protection
- ▶ Class II Div. 1 Groups E, F & G Approved

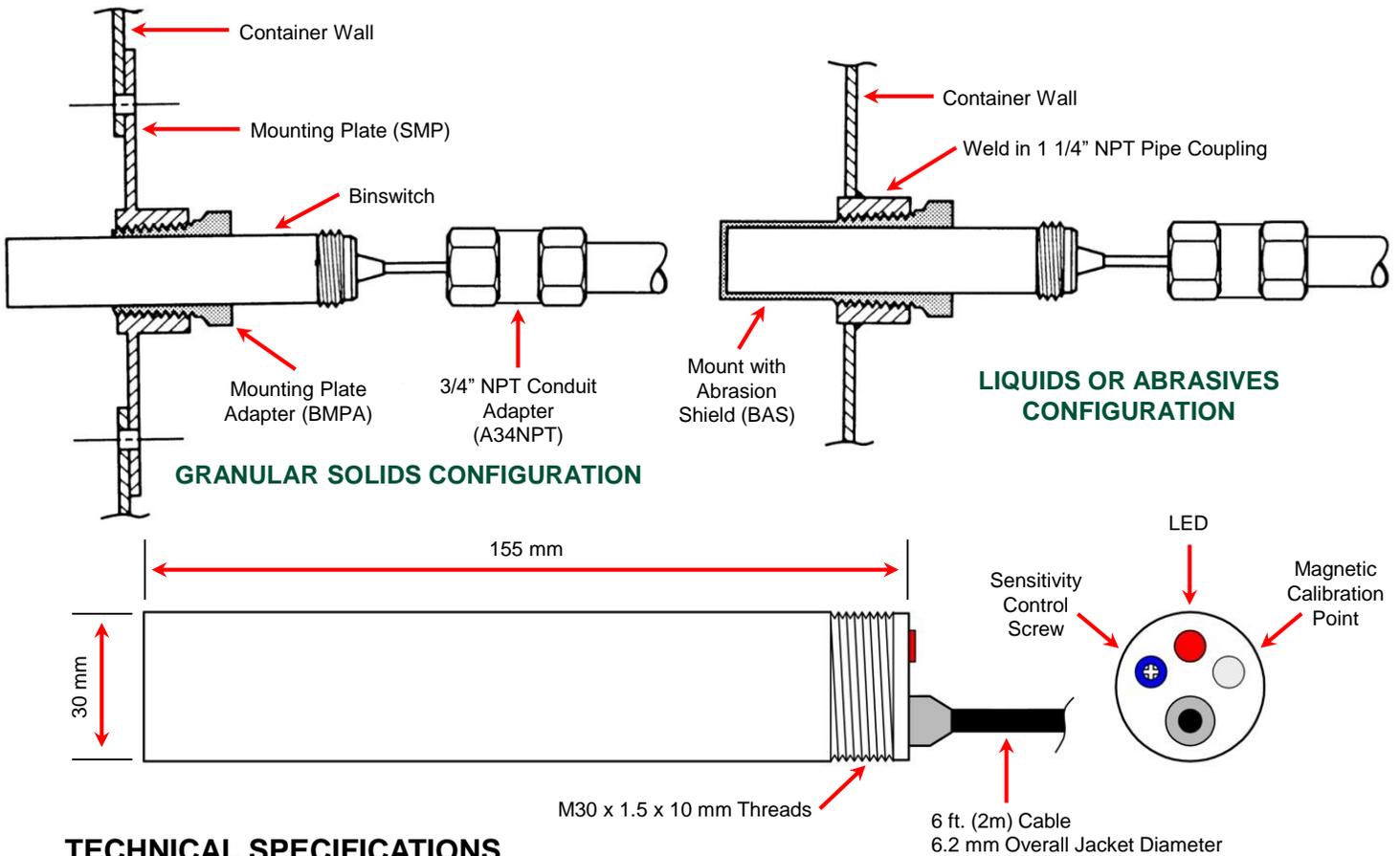
### PART NUMBERS/ACCESSORIES

- ▶ BSE1V10C Binswitch Elite 5 Wire (24 to 240 VAC or 12 to 240 VDC)
- ▶ BSE2V10C Binswitch Elite 2 Wire (24 to 240 VAC/VDC - Universal Supply)
- ▶ SMP Mounting Plate
- ▶ SMPS Mounting Plate (Stainless Steel)
- ▶ A34NPT 3/4 in. NPT Conduit Adapter
- ▶ BMPA 1-1/4 in. NPT Mount
- ▶ BAS Abrasion Shield 1-1/4 in. NPT Mount
- ▶ BMPG36 Gland Mount
- ▶ BSM3 3 in. Clamp Mount



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## TECHNICAL SPECIFICATIONS

### Binswitch Elite - Capacitance Point Level Switch

BSE1V10C and BSE2V10C	
<b>Power Supply -</b>	BSE1V10C - 24 to 240 VAC or 12 to 240 VDC BSE2V10C - 24 to 240 VAC/VDC (Universal Supply)
<b>Operating Temperature -</b>	-13° F (-25° C) to 158° F (70° C)
<b>Sensing Range -</b>	1 Inch (25 mm) Maximum
<b>Output Modes -</b>	BSE1V10C - Energized: Output On (N/O and Common Contacts Closed) De-Energized: Output Off (N/C and Common Contacts Closed) BSE2V10C - Energized: Output On (5.2 V Drop Maximum) De-Energized: Output Off (< 1mA leakage Maximum)
<b>Output -</b>	BSE1V10C - Relay Rated 240 VAC 3A Maximum BSE2V10C - FET Rated 200 mA Maximum
<b>Calibration Controls -</b>	1. Sensitivity Control Screw (Empty Bin Before Calibrating) 2. Magnetic Calibration Point (Empty Bin Before Calibrating)
<b>Red LED Indication -</b>	On - Normally Energized
<b>Cable -</b>	BSE1V10C - 6 ft. (2 m) 5 Wire BSE2V10C - 6 ft. (2 m) 2 Wire
<b>Enclosure -</b>	Nylon
<b>Protection -</b>	IP65
<b>Approvals -</b>	CSA Class II Division 1 Groups E, F and G (USA and Canada) ATEX and CE (Versions Available)