**ST-15C**

*Single Point Overfill Prevention Controller*

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**Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry**

**DESCRIPTION**

The Scully single point overfill prevention controllers feature two-wire optic or thermistor sensing. They are mounted at a loading rack or fill station for connection to a single compartment tank vehicle.

For additional ground proving options, the system works in conjunction with the Scully Groundhog Self-Proving Ground Verification System.

**FEATURES AND BENEFITS**

- Maximum safety with Dynacheck® automatic and continuous self-checking circuitry.
- Will not permit loading under any fault or wet sensor conditions.
- Signals for automatic shut-off of product flow within a half-second of detecting an overfill condition.
- Ideal overfill prevention for refuelers, rail tank cars, tank trucks, chemical trailers and other one compartment vehicles.
- 30 years of proven, dependable performance.
- Easy connection to vehicles with versatile high impact plug and cable units.
- Approved by Factory Mutual (FM), the Canadian Standards Association (CSA), and ATEX.

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**Technical Diagram of Model ST-15C ELK**

*All Dimensions in Millimeters (Inches in Parenthesis)*

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MaxSafety®

SYSTEMS
Single Point Overfill Prevention Controller

INTERNATIONAL
ATEX
PRODUCT
LINE

TECHNICAL SPECIFICATIONS

Approved Versions of: Thermistor Sensors SP-BLK, SP-BLUK, SP-BLHK
Two-wire Optic Sensors, SP-TO, SP-TO(SS), SP-TO(SS)HP SP-IO, SP-IR


Indicator Lamps: Red = Power On/Non-Permit Green = Permit

Approvals: ST-15C: ATEX, EExd IIB T6 and EEx ia IIC. Consult Scully for additional approvals.

Turn on response time: 6 – 30 seconds (typical) for thermistors. Two-wire optics turn on instantly.

Shutdown Response Time: 0.5 seconds maximum

Power Requirements: 105 - 130 VAC, 50-60 Hz, 20 watts maximum, 210 - 250 VAC nominal, 50-60 Hz, 20 Watts maximum

Connections: Provided by internal terminal strips

Output Control: One normally open volt free contact, rated 250 VAC, 5A resistive, energized when the sensor is dry.

Output Control Fuse: Internal 5 Amperes.

Size: Refer to Diagram for E, EL, ELK models. Consult factory for the ELKPB.

Weight: 12.7 kg (28 lbs.) E, EL, ELK Units
23 kgs (50 lbs.) ELKPB

NOTE: The Scully ST-15C is an intrinsically safe system. For maximum safety, it should be used only in conjunction with sensors manufactured by Scully not to jeopardize the conditions of the approvals.

ORDERING INFORMATION

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<tr>
<td>ST-15C-240-ELK Single Point Thermistor Controller</td>
<td>08631</td>
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<tr>
<td>ST-15C-240-EL Single Point Thermistor Controller</td>
<td>08633</td>
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<tr>
<td>SC-8B Sculcon Junction Box Kit, Green 10-Pin Plug, Orange Coil Cable, 30'</td>
<td>08677NV</td>
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<tr>
<td>SC-8B Sculcon Junction Box Kit, Green 10-Pin Plug, Orange Straight Cable, 20'</td>
<td>09162</td>
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REPLACEMENT PARTS

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<thead>
<tr>
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<td>ST-15C-240H, Module Assembly, Single Point Controller, 240V</td>
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<tr>
<td>Fuse, 1A, Main Fuse</td>
<td>26343</td>
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<td>Fuse, 5A, Relay Contact Fuse</td>
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<td>Replacement Light, Explosion-proof, Green, LED Style, 240V</td>
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<tr>
<td>Replacement Light, Explosion-proof, Red, LED Style, 240V</td>
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<td>Bulb, 6W, 240V</td>
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<td>Lock Box Replacement Parts, ST-15/ST-35</td>
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<tr>
<td>Bypass Switch Operator, 3 Position</td>
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<td>Contact Block, Bypass Switch</td>
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