



ST-15C

Single Point Overfill Prevention Controller

Featuring Dynacheck® – Automatic and Continuous Self-Checking Circuitry



ST-15C

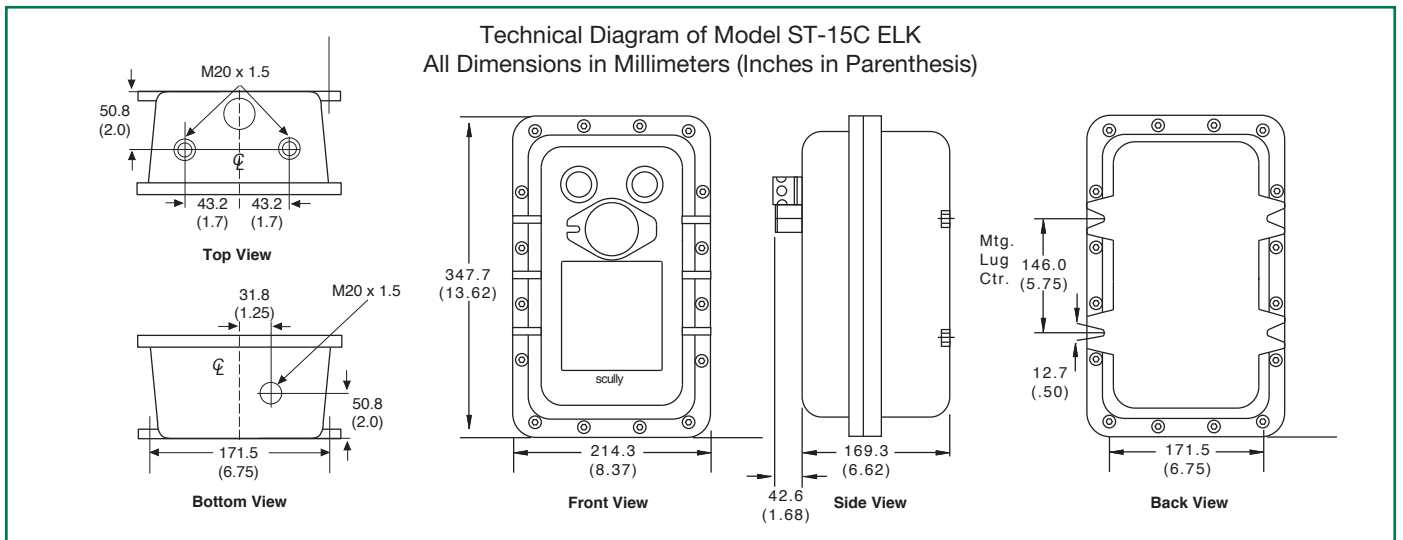
DESCRIPTION

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.



60629 Rev C

Single Point Overfill Prevention Controller

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

Enclosure: Explosion-proof, weathertight. Corrosion inhibiting epoxy paint optional. Consult Scully for the availability of non-explosion-proof weathertight enclosures.

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
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

Description	Part Number
ST-15C-240-ELK Single Point Thermistor Controller	08631
ST-15C-240-EL Single Point Thermistor Controller	08633
SC-8B Sculcon Junction Box Kit, Green 10-Pin Plug, Orange Coil Cable, 30'	08677NV
SC-8B Sculcon Junction Box Kit, Green 10-Pin Plug, Orange Straight Cable, 20'	09162

REPLACEMENT PARTS

ST-15C-240H, Module Assembly, Single Point Controller, 240V	08656
Fuse, 1A, Main Fuse	26343
Fuse, 5A, Relay Contact Fuse	26350
Replacement Light, Explosion-proof, Green, LED Style, 240V	09420
Replacement Light, Explosion-proof, Red, LED Style, 240V	09421
Bulb, 6W, 240V	27065
Lock Box Replacement Parts, ST-15/ST-35	08360
Bypass Switch Operator, 3 Position	26055
Contact Block, Bypass Switch	26022

Copyright © 2013 Scully Signal Company. Dynacheck, Dynamic Self-Checking, Dynamic Self-Test, Faylsafe, IntelliCheck, Intellitrol, Intelliview, Load Anywhere, Maxsafety, Sculcon, and V.I.P. are registered trademarks of Scully Signal Company. All Rights Reserved. Specifications are subject to change without notice.

60629 Rev C
October 2013



Scully Signal Company
70 Industrial Way
Wilmington, MA 01887, USA
800 272 8559 • sales@scully.com

Scully Systems Europe NV
Maanstraat 25
2800 Mechelen, Belgium
+32 (0) 15 56 00 70 • info@scully.be

Scully UK Ltd
Meridian House, Unit 33
37 Road One Winsford Industrial Estate,
Winsford Cheshire CW7 3QG, UK
+44 (0) 1606 553805 • sales@scullyuk.com

