

Single Point Overfill Prevention Controllers

Featuring Dynacheck® Automatic and Continuous Self-Checking Circuitry



Model ST-15-ELK shown

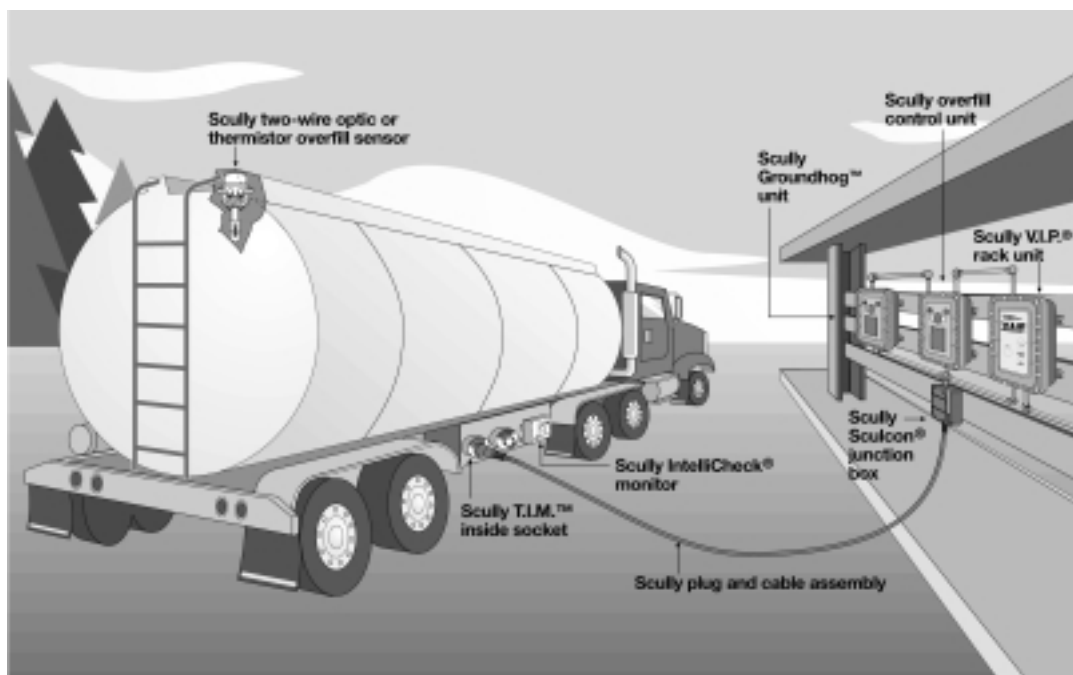
Description

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.

Applications

- Tank Trucks
- Refuelers
- Rail Tank Cars
- Chemical Top and Bottom Loading

Principle of Overfill Protection



Design Advantages

Scully Single Point Overfill Prevention Controls are designed for use with a Scully two-wire optic or thermistor sensor. They offer all these advantages:

- 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 BASEEFA/CENELEC.

Safety Features

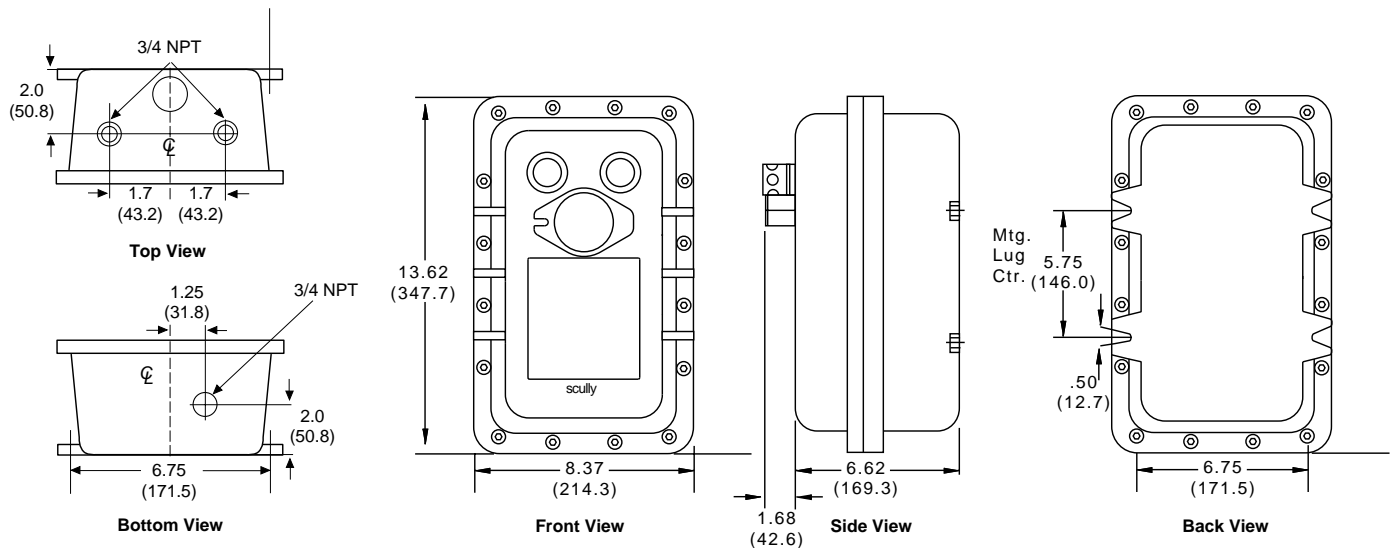
The system incorporates Scully's unique and exclusive Dynacheck concept. To ensure that the system will always detect an overfill condition, the controller uses pulsed signals which continuously check the entire system operation. The controller, wiring, connections and sensors are checked for faults up to 30 times per second. If a sensor comes in contact with liquid, or in the unlikely event of a system fault, pulsed signals cease and the controller automatically signals for immediate

shutdown of the loading operation. Shutdown is accomplished by controlling pumps, valves, terminal automation systems, etc..

The ST-15 provides the vehicle with an adequate static ground path to the rack provided the vehicle overfill equipment is wired and maintained to factory specifications. For additional ground proving options, the system works in conjunction with the Scully Groundhog™ Self-Proving Ground Verification System.

Technical Diagram of Model ST-15 ELK

All Dimensions in inches (Millimeters in Parenthesis)



scully

