

# Multiple Point Optic Sensing Overfill Prevention Controllers

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



**Scully Multiple Point Optic Sensing Overfill Prevention Controllers** are the industry standard for tank vehicle loading applications.

**The system features:**

- Maximum safety with Dynacheck® automatic and continuous self-checking circuitry.
- Will not permit loading under any fault or wet sensor condition.
- Signals for automatic shut off of product flow within a half-second of detecting a potential overfill condition.
- Complete compatibility with Scully IntelliCheck® and Load Anywhere® on-board systems and independent five-wire optic sensors.
- Easy connection to vehicles with rugged, versatile plug and cable units.
- ST-35 models monitor 1 - 8 compartment tank vehicles while the ST-35C models monitor 1 - 12 compartment tank vehicles.
- Approved by FM, CSA and BASEEFA/CENELEC

**Description**

The Scully overfill prevention system interfaces with optic sensors. It is typically used for bottom and top loading of tank vehicles. It is mounted at the loading rack/gantry and connects to the vehicle via a Scully plug and cable assembly.

**Safety Features**

The system incorporates Scully's unique and exclusive Dynacheck concept. To ensure that it will always detect an overfill condition, the controller uses pulsed signals which continuously check the entire system operation including the controller, wiring, connections and sensors. If a sensor comes in contact with liquid, or in the unlikely event of a system fault, the pulsed signals cease and the controller automatically signals for immediate shutdown of the loading operation. No operator involvement is needed! Shutdown is accomplished by controlling pumps, valves, terminal automation systems, etc...

The system provides the vehicle with an adequate static ground path to the rack/gantry provided the vehicle's overfill equipment is wired and maintained to factory specifications. For additional ground/earth verification options, consult Scully for information on the Groundhog™ Self-Proving Grounding System.

**Models Available**

The ST-35 series is available in a variety of models to suit your applications. Please consult Scully for compatible equipment and additional literature. Special applications are welcome.

*Setting New Standards In Safety*