

INTELLITROL™

Scully's Intellitrol System

is the most advanced terminal overfill prevention and ground verification system available today. Intellitrol is the culmination of over 30 years experience in electronic overfill prevention control.

Overfill Prevention Control Unit with Optional Ground Verification and Vehicle Identification Features.

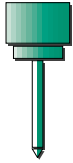


Intellitrol is a state of the art microprocessor based system that provides:

- Overfill prevention, ground verification and vehicle identification in one compact state of the art explosion-proof enclosure.
- Scully Dynacheck® automatic and continuous self-checking circuitry.
- Automatic detection of two-wire optic/thermistor or five-wire optic vehicle sensors.
- Monitoring of up to 8 two-wire and 15 five-wire vehicle sensors.
- Complete visual diagnostic display of overfill sensors' status. Will not permit loading under any fault or wet sensor condition.
- Advanced optical bypass feature eliminates unauthorized system bypass.
- Complete compatibility with Scully Intellicheck® and Load-Anywhere® on-board systems and Scully's industry standard on-board systems, overfill prevention sensors or compatible signals from truck overfill prevention systems conforming to industry standards.¹
- Easy connection to vehicles with rugged high impact industry standard plug and cable units.

1. Per API Recommended Practice No. RP-1004 or European Draft Standard EN 296007.

STANDARD FEATURES



OVERFILL PREVENTION

- Automatic detection of two-wire optic/thermistors or five-wire optic vehicle sensors.
- Monitors up to 8 two-wire and 15 five-wire vehicle sensors.
- Maximum safety with Dynacheck automatic and continuous self-checking circuitry.
- Signals for automatic shut-off of product flow in less than a half-second of overfill/fault detection.
- Redundant main output relays and continuous monitoring of relay contacts for fail-safe relay operation.



DYNACHECK® SAFETY

- Dynacheck uses pulsed signals to continuously check the entire system.
- The controller, wiring, connections and sensors are checked for faults 30 times per second.
- If a sensor comes in contact with liquid, or in the event of a system fault, the pulsed signals cease, and the controller automatically signals for immediate shutdown of the loading operation. Shutdown is accomplished by controlling valve or pump controls.



COMPLETE DIAGNOSTICS AND COMMUNICATION

- Prominent red and green main status LED indicators indicate permissive, non-permissive and bypass conditions.
- Individual wet sensor detection by compartment and indication of sensor and wiring faults.*
- Communicates with Scully's Intelliview™ Microsoft Windows® based software or your terminal automation system. Refer to Scully's Intelliview Software literature GA 528.

OPTIONAL FEATURES



VEHICLE GROUND VERIFICATION

- Incorporates self-checking ground verification with a single connection via the overfill prevention plug and cable.
- No need to purchase a separate grounding controller.
- Prevents and shuts down loading if a proper bond for static discharge is not detected.
- May be configured for use with a Scully Ground Bolt mounted to the vehicle chassis; or for resistive ground detection.



VEHICLE IDENTIFICATION

- Automatically reads the unique vehicle identification number of the Scully vehicle mounted I.D. module when the plug is connected to the vehicle.
- Communicates the vehicle identification number to the terminal's PC, loading controller or terminal automation system.
- Prevents loading if the vehicle fails to meet the terminal's authorization requirements.

- By comparing the unique vehicle identification number to the terminal automation system's pre-programmed database, the terminal may automatically verify information such as: vapor tightness certification, contract and insurance status, the number of compartments and other vehicle information.
- Eliminates the time and expense of manual documentation review and inspection.

* Diagnostic ability varies depending upon the type of sensor.