

Tri-Mode Technology

MODE 1 | Road Tanker Recognition

Confirms RTR clamp is connected to road tanker, excluding connection to other conductive metal objects, (e.g. loading gantry or parts of tank truck not connected to tank container).

MODE 2 | Static Ground Verification

Verifies RTR is connected to a Test Earth Ground.

MODE 3 | Continuous Ground Loop Monitoring

Confirms clamp connection and ground connection is good throughout transfer process by ensuring connection resistance does not rise above 10 Ohms.



positive ground condition

Options		Certification	
RTR Tester		IECEX	SIL 2
Mode Selector Keyswitch		IP 66	Temperature Range
Retracting Cable Reel			-40°C to +55°C - ATEX -13°F to +122°F - CSA
Explosion Proof Strobe Light		Power Supply	
CE/UL/Cenelec (European) and NEC/CEC (North American) versions available		110/120V or 220/240V AC, 50-60 Hz 12V or 24V DC	

Compliant with CENELEC CLC/TR: 50404 & NFPA77	The monitoring set-point of 10 ohms resistance is compliant with the standards for static control in hazardous areas: CENELEC CLC/TR: 50404 & NFPA77.
Operator friendly interface	Simple GO / NO GO indication informs operator when the road tanker is connected to ground. When a positive ground connection is made the pulsing hi-visibility indicators are activated during the MODE 3 Continuous Ground Loop Monitoring stage.
Control / Interlock capability (Two voltage free output contacts)	The first output contact can be used to interlock with flow control devices (e.g. pumps, valves, PLCs) to ensure product cannot flow unless the RTR has established a ground path for the road tanker. The second output contact can operate attention grabbing devices (e.g. strobe lights) to warn personnel that a hazardous product transfer is underway.
Wide operating temperature range	The RTR system can operate in extreme weather conditions without modifications or enhanced protection (-40°C to +55°C).
Detachable Clamp & Cable	Quick Connect system provides flexible and easy removal of grounding clamp and cable from the hazardous area for maintenance.
Universally Approved Enclosure	Suitable for installation in highest range of gas and vapour environments.

For ordering codes and more detailed technical information please refer to product specification sheet.

The Earth-Rite RTR forms part of the Earth-Rite range of Static Grounding and Bonding Equipment available from Newson Gale



Leading the way in hazardous area static control



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