

Earth-Rite *RTR*™ Tri-Mode Technology

(PATENT PENDING)

Static Grounding for tank trucks
during flammable product transfers



Tank Truck Recognition

Only allows product transfer when system is connected to tanker truck

Positive Ground Recognition

Automatically confirms positive static ground connection

Ground Connection Monitoring

Continuously monitors clamp and ground connection during transfer

IECEX



ATEX

SIL 2



APPROVED



The **Earth-Rite *RTR*™** ensures the highest possible levels of safe, positive grounding for tanker trucks during flammable transfer operations. Unlike conventional systems, the Earth-Rite *RTR*™ provides failsafe confirmation of the static ground condition using patented Intrinsically Safe Electronics and Universal Ground Clamp.

Newson Gale | For over 25 years Newson Gale has been supplying the chemical and processing industry worldwide with its market leading range of static control products ensuring people and plant are protected from static related fires and explosions



Earth-Rite RTR™

TRI-Mode Technology (PATENT PENDING)

MODE 1 | Tank Truck Recognition

Confirms RTR clamp is connected to tank truck and not other grounded/ungrounded objects.

MODE 2 | Positive Ground Recognition

Confirms positive static ground connection before connecting tanker to ground.

MODE 3 | Ground Connection Monitoring

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

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

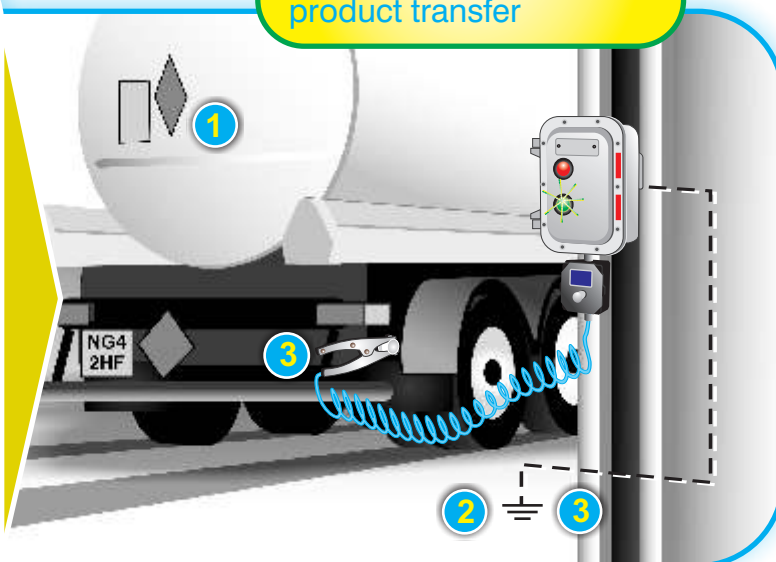
The Earth-Rite RTR™ Static Grounding System is designed specifically for tank trucks with rubber tires. For dedicated loading/unloading of Rail Cars or other conductive mobile tanks, IBC totes and drums the standard Earth-Rite PLUS system with Single Mode (Ground resistance monitoring) is available. **For complete flexibility in mixed loading applications specify the Earth-Rite RTR™ with additional Mode Selector Key Switch.**

FM Approvals:

Class I, Division 1 & 2, Groups B, C & D
Class II, Division 1 & 2, Groups E, F, & G
Class III

Function Safety Rating: SIL 2

GREEN LIGHT ✓
Tri-Mode checks complete - RTR permits product transfer



Reliability | The RTR has been independently tested and approved for mounting in SIL2 rated environments confirming the Earth-Rite's 10 year track record of proven system reliability and performance.

Flexibility | The RTR can be mounted at remote loading stations and connected to locally verified ground points and can reduce the cost of installation and maintenance.

Compliance with NFPA 77 and CENELEC 50404 | The RTR enables compliance with the best practice guidelines of NFPA 77 & CENELEC 50404 which recommend that tank trucks present in hazardous atmospheres be fully grounded prior to and during the transfer of cargo.

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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