

Static control for hazardous areas

# Static Ground Monitoring System For Tanker Trucks (model RTR3B4C1)

## Earth-Rite *RTR*™

(PATENT PENDING)

### TRI-Mode Technology

**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

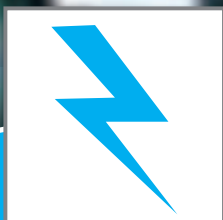
The **Earth-Rite *RTR*™** ensures the highest possible levels of safe, positive grounding for tank trucks during flammable transfer operations. Unlike conventional systems, the Earth-Rite *RTR*™ provides failsafe confirmation of the static ground condition using patented Intrinsically Safe Electronics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

**ATEX**



**SIL 2**

**IECEX**



**Cenelectrex®**

Stewart R. Browne Manufacturing Co.

For over 25 years Cenelectrex® Static Grounding Systems have been used by the worldwide chemical processing and distribution industries, ensuring people and plant are protected from static related fires and explosions.

[www.srbrowne.com](http://www.srbrowne.com)  
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# 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

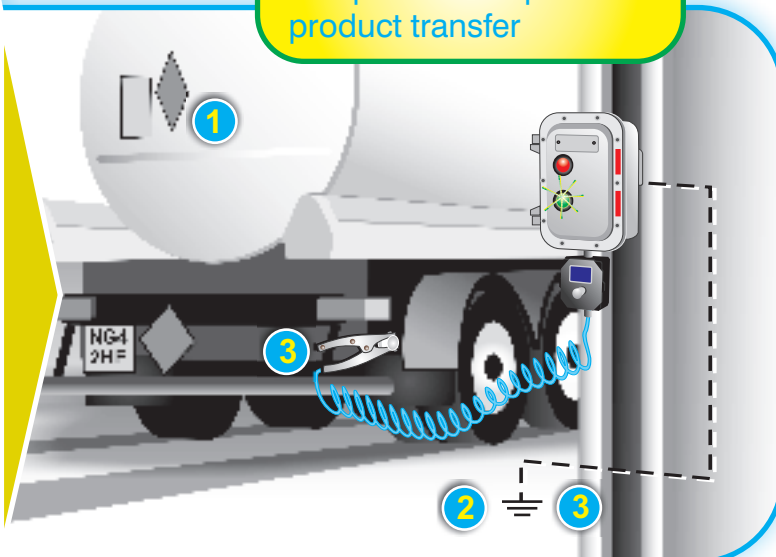
Confirms clamp connection and ground connection is good throughout transfer process by ensuring connection resistance does not rise above 10 Ohms.

*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.



**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.



**Cenelectrex**

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The Earth-Rite RTR™ and Cenelectrex® static grounding and bonding equipment form part of the Stewart R. Browne MFG. range of static control solutions for hazardous areas. Earth-Rite RTR and Cenelectrex are registered trade marks of Newson Gale Ltd.