The Model TR-7 Safe-T-Ground is simple and easy to install. Removal of the cover on the explosion-proof aluminum housing reveals the easily accessible terminal strip for relay and contactor terminals, the relay opens, breaking the control circuit. The relay will not close until the grounding contactor is properly connected.

To safeguard loading operations, the Safe-T-Ground circuit can be wired into your pump controls. Grounding Studs: 2 supplied. Order a pair for each truck.

Process Connection: 1/4" OD push to connect.
Mounting Orientation: Any position.
On-Time: 150 ms to 700 ms.
Off-Time: 4 s to 210 s.
Agency Approvals: CE.

Model TR-7 Safe-T-Ground provides continuous monitoring of a truck's ground connection throughout loading operations. Static electricity is often brought in by tank trucks entering the loading area. The Safe-T-Ground Model TR-7 instantly stops loading operations if a tank truck loses its ground. The simple but rugged Model TR-7 circuit continuously measures resistance through the truck by applying a small voltage to one terminal of the truck grounding contactor. The other terminal is connected to the loading rack ground. If the Safe-T-Ground detects a resistance of more than a few Ω across the contactor terminals, the relay opens, breaking the control circuit. The relay will not close until the grounding contactor is properly connected.

The double wire TR-7 system provides an extra safeguard against explosion, compared to single wire grounding, which cannot measure the quality of the electrical ground connection during loading. The transistorized TR-7 circuit generates little heat - an added safety feature.

The Model TR-7 Safe-T-Ground is easy replaced via mil-spec connector on housing.