

# Earth-Rite® II PLUS

## Static Grounding Indicator and Interlock System



*Earth-Rite II PLUS Static Grounding System*



*Medium and Large Heavy Duty Clamp/s*

*with Quick Connect and optional lengths of Hytrel coated 2 core cable included*

Precision and reliability of the Earth-Rite® II PLUS provides QHSE professionals and engineers who are tasked with protecting personnel and plant assets from the ignition hazards of static electricity during railcar, skid, and IBC loading/unloading operations.

Conductive metal objects like railcars, LACT units, skids and IBCs that contain electrostatically charged liquids can accumulate hazardous levels of electrostatic charge if they are not grounded.

This hazardous level of electrostatic charge can spark to other objects close by and is in excess of the minimum ignition energy of combustible gases and vapours present.

The ignition of combustible atmospheres by static electricity can be mitigated by ensuring that such objects are grounded.

The Earth-Rite II PLUS is the ideal solution for grounding and bonding a broad range of equipment at risk of igniting combustible gases and vapours.

The Earth-Rite II PLUS ensures that a continuously monitored 10 Ohm, or less, connection is present between the grounded object and a designated true earth grounding point. This feature provides equipment specifiers with the ability to demonstrate compliance with the grounding and bonding recommendations of IEC TS 60079-32\*, NFPA 77\* and API RP 2003\*.

\*IEC TS 60079-32, "Explosive atmospheres: electrostatic hazards, guidance."

\*NFPA 77, "Recommended Practice on Static Electricity."

\*API RP 2003, "Protection Against Ignitions Arising Out of Static, Lightning, and Stray Currents."

\* Always check for and read the latest version of the International Standards, Guidance and/or Recommended Practices.

### The Earth-Rite II PLUS includes:

- XP / Ex(d) Controller with Intrinsically Safe Monitoring Circuit or
- HAZLOC approved static dissipative GRP controller with Intrinsically Safe Monitoring Circuit
- Ground Connection Junction Box with Clamp Stowage Point and Quick Release Connector
- Universal Grounding Clamp with various lengths of 2 conductor Cen-Stat protected Cable
- Flexible HAZLOC installation options