

Earth-Rite® System Options

Newson Gale supplies a range of product options that enhance the control and general safety of transfer processes and aid engineers with system installations and routine system service checks. Contact Newson Gale or your local Newson Gale representative for more information on the range of options available.



VESM02 Retractable Cable Reel

The **VESM02 Retractable Cable Reel** is supplied for grounding system installations where customers want to ensure the grounding clamp and cable are returned to the static grounding system by operators and drivers on completion of the product transfer process. The VESM02 Reel can be used in conjunction with the **Earth-Rite RTR**, **Earth-Rite MGV**, **Earth-Rite PLUS** and **Earth-Rite TELLUS**.

- Certified for ATEX Zone 1 and 21 hazardous areas.
- Self-retracting with up to 15 metres (50 feet) of Hytel® protected cable.
- Silver plated ultra low resistance slip ring contacts.



Product Code: VESM02

RTR Tester

The **RTR Tester** is designed to have the same electrical characteristics as a road tanker and provides engineers with a means of checking that the RTR undergoing installation is permissive when it detects these characteristics. The Tester is connected to the RTR system and its grounding point, and when activated, the RTR's LED indicators change from red to green, confirming that the Road Tanker Recognition and Static Ground Verification checks are functioning as intended.

- Ideal for system commissioning and routine service checks.
- Easy to use with simple PASS / FAIL condition.

Note: If the system's grounding point has a high resistance connection to ground (earth), the Static Ground Verification check will not allow a permissive state. Should the Tester fail the installation it is advisable to measure the resistance of the RTR system's grounding point to ensure it is not higher than levels recommended in local standards and regulations.



Product Code: ER2/CRT



Installer's Kit

This kit provides installation engineers with the necessary Ex (d) enclosure glands (x5) and system cable (x3) required to complete an **Earth-Rite RTR** or **Earth-Rite PLUS** installation as specified in the system installation manuals. Two of the glands cater for both armoured and non-armoured cable diameters ranging from 9 mm to 13.5 mm. Three glands cater for IS current carrying non-armoured cable with cable diameters ranging from 4 mm to 8.4 mm.

- Ex (d) IP68 glands (x2) for armoured or non-armoured cable.*
- Ex (d) IP68 glands (x3) for non-armoured cable (IS outputs).*
- 3 m length of 2 conductor cable (x1) to connect system enclosure to clamp stowage box.
- 1m length of system ground loop cable (x2), with Ex (d) glands, PCB connectors and bolt eyelets attached.
- 1 pair of handles to aid opening and closing of the enclosure lid.

* For areas not requiring IIC apparatus.



Product Code: ER2KITA
(Power cable and interlock cable not supplied)

Ex Strobe Light

The strobe light is mounted in an elevated position and when the equipment is correctly grounded, flashes continuously informing personnel that a transfer process is underway and is protected from the static hazard. The strobe light can be used in conjunction with the **Earth-Rite RTR**, **Earth-Rite PLUS** and **Earth-Rite TELLUS**.

- ATEX approved GRP strobe light.
- 115V / 230V ac and 24V / 48V dc options.
- Amber, Green & Red strobe colour options.



Product Code: STROBE01/A (Amber strobe)

Mode Selector Key Switch

The **Earth-Rite RTR** will not permit product transfers without recognising electrical characteristics unique to road tankers. The **Mode Selector Key Switch** permits loading area supervisors to turn off the Road Tanker Recognition function of the RTR with a key when items of plant other than road tankers, e.g. railcars, IBCs and drums need to be filled or emptied.

- Switches Earth-Rite RTR from Tri-Mode to Single Mode continuous ground loop monitoring (≤ 10 ohms).
- Robust and compact GRP unit with supervisor's switch key included.
- Intrinsically Safe simple apparatus – can be located in Zone 0/20 and upwards.



Product Code: ER2/MSKS (Europe)
ER2/MSKSU (US, Canada)

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