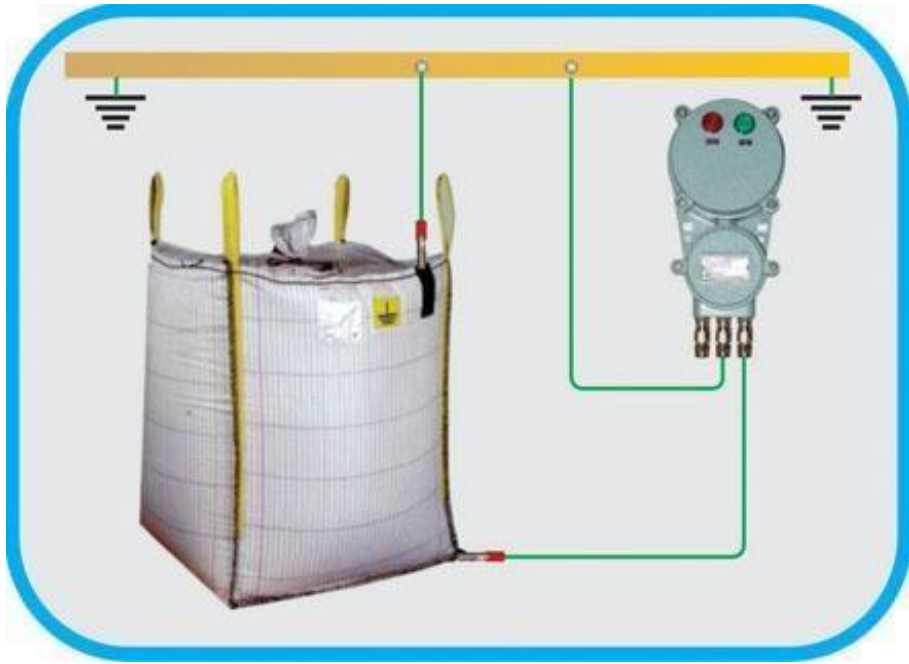


EARTHING CONFIRMATION SYSTEM FOR FIBC C TYPE BAG



MODEL: ECR-1

ECR 1 is designed to safely remove static electricity from Type C FIBC and eliminate the risk of uncontrolled frictional static spark discharges. Static electricity is capable of providing an ignition source in areas where many combustible powders are processed or handled. The amount of energy required will depend on the explosive characteristics of the dust/air mix, but in order to control these risks, the Device may be used to safely dissipate electrostatic spark discharges. The Device continuously monitors the static dissipative path through the bag's conductive filaments, via a verified earth grounding point.

Two LED lamps have been given on the device, in open condition red light will be on, when the FIBC has a verified and continuously monitored static ground connection will indicate green light at the same time, potential free two change over relay output will energize to take further interlock action like to stop flow of material and to get audio alarm.

TECHNICAL SPECIFICATION

Rated Power Supply	230VAC or 110VAC -10%+15%, 45-65Hz, 24V AC/DC Optional
Rated Power Supply	Earth loop resistance, 0 to 10 M Ohm/0 to 1 M Ohm/0 to 10 Ohms, adjustable through an external display console at factory on demand.
Relay output rating	Two change over 250V/ 5A (Resistive load)
Cable type	Two nos. single core cable of 5m with option of straight or spiral cable
Clamp design	SS 304 type suitable for FIBC bag
Enclosure	Flame proof Cast Aluminum Alloy or Stainless steel (optional)

ECR – 1 – Multi Channel Static Earthing confirmation system

Multi-channel ECR -1 earthing confirmation system, monitors earth connection for 2, 4, 6, 8 individual isolated points of equipment through individual channels of single earthing confirmation device.

TECHNICAL SPECIFICATION

Rated Power Supply	230VAC or 110VAC -10%+15%, 45-65Hz, 24V AC/DC Optional
Range	Earth loop resistance, 0 to 10 M Ohm/0 to 1 M Ohm/0 to 10 Ohms,adjustable through an external display console at factory on demand.
Relay output rating	One change over 250V/ 5A (Resistive load) for each channel, up to eight relays for eight channels
Cable type	Single core cable of 5m with option of straight or spiral cable for each of the channels and common cable for earthing connection
Clamp design	SS 304 type suitable for FIBC bag
Enclosure	Flame proof Cast Aluminum Alloy or Stainless steel (optional)

CONNECTION DIAGRAM:

