

TECHNICAL DATA SHEET

Safe ground indicator system – GSUL Series

Russellstoll®



The Russellstoll® GSUL safe ground indicator system is designed to ensure that a safe ground has been established for dissipating ever-present static electricity from tank vehicles, carriers, drums and other conductive equipment before allowing the transfer of flammable materials. The GSUL indicates the establishment of a safe ground via two parallel-connected green signal lights. Two lights are used for redundancy — if one lamp burns out, visual indication of safe grounding will be maintained by the other.

Certifications / Standards:



Features & Benefits:

- Two redundant, parallel green indicator lights glow when safe ground is established
- Lamps offer approximately 20,000 hours of operating life
- Unit may be ordered without lights where remote visual indication is desired
- Intrinsically safe, simplified circuitry
- Integral, intrinsically safe wiring compartment with approved strain-relief fitting for connection of cable from grounding clamp
- Solid-state actuating and control circuits mounted on removable printed circuit board
- Enclosure protects components against moisture
- Control relay provided for interlocked control of pump motor at loading rack
- Grounding clamp (ordered separately) provides dual isolated tip contacts in a heavy-duty cast-aluminum handle design

Applications:

- Volatile or classified areas such as, tank farms, petrochem, cosmetics, grain mills, vehicular or rail transport

Conforms to:

- GSUL2SS: UL E33553 Listed & cCSAus Certified
- GSUL2SS-240: cCSAus Certified
- Designed for voltage ranges in accordance with ANSI C84.1
 - GSUL2SS: 120 VAC nominal (108-126 VAC at 60 Hz)
 - GSUL2SS-240: 240 VAC nominal (216-252 VAC at 50/60 Hz)
- Class I, Division 1, Groups C, D, and Zone 1, Groups IIB, IIA; NEMA 7 Class II, Division 1, Groups E, F, G; NEMA 9

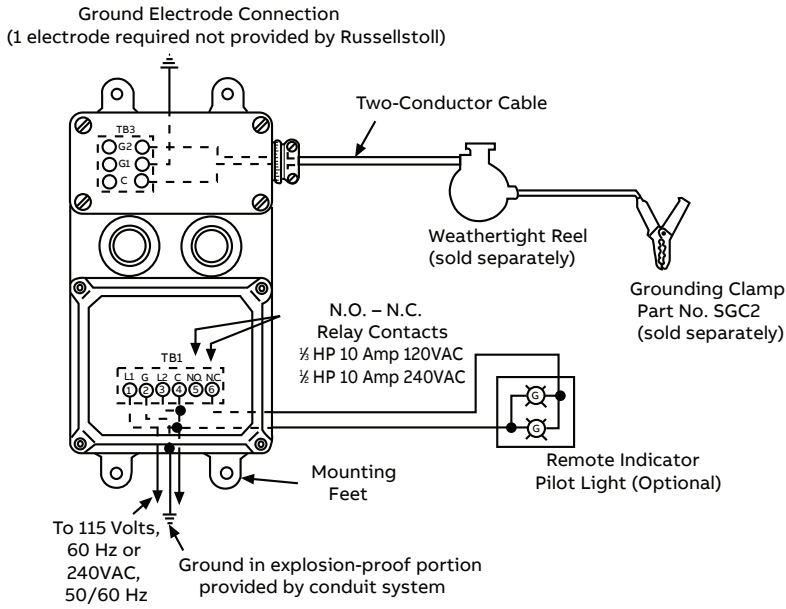
Material & Finishes:

- Enclosure: cast copper-free aluminum with epoxy powder-coated finish

Specifications:

- Relay Contacts: Rated 1/3 HP, 10A, 120VAC; 1/2 HP, 10A, 240VAC
- Outlets: Regularly furnished tapped 3/4" NPT
- Clamp and cable reel are sold separately

Wire diagram:



Product selection	
Part no:	Description
GSUL2SS	Safe Ground Indicator with Indicator Lights, 120V, UL®/CSA
GSUL2SS-240	Safe Ground Indicator with Indicator Lights, 240V, CSA

Thomas & Betts Corp.
Electrification Products
Memphis, Tennessee
USA

We reserve the right to make technical changes or modify the contents of this document without prior notice. With regard to purchase orders, the agreed particulars shall prevail. Thomas & Betts Corp. does not accept any responsibility whatsoever for potential errors or possible lack of information in this document.

We reserve all rights in this document and in the subject matter and illustrations contained therein. Any reproduction, disclosure to third parties or utilization of its contents – in whole or in parts – is forbidden without prior written consent of Thomas & Betts Corp. Copyright© 2017 Thomas & Betts Corp. All rights reserved