

AEPGI Series Ground Indicators

Explosionproof, Dust-Ignitionproof

NEC/CEC:
 Class I, Division 1 and 2, Groups B♦, C♦, D
 Class II, Division 1 and 2, Groups E, F, G
 Class III
 NEMA 4X, 7, 9

Applications

- The grounding device is used to logically indicate the presence of grounding of tank cars or tank trucks before and during transfer of combustible materials.
- When connected to a truck prior to loading or unloading, the presence of a safe ground is indicated by a green light and the absence of ground is indicated by a red light.
- Interlocking circuitry will prevent pumps from starting until a ground is established or shut pumps down if a ground is lost at any time during loading or unloading.
- This intrinsically safe circuit and explosionproof enclosure enables the ground device to be used in hazardous location areas.

Features

- Clamp and Cable- The coiled cable provided: 2 conductor #14 SJEOO-WA. The straight cable provided: 2 conductor #16 SOOW. Both are terminated with an alligator ground clamp.
- Operating temperature: -25 °C to +40 °C (-77 °F to +104 °F).
- Power requirements: 120 Vac.
- Control contacts: 250 Vac — 10 amp continuous.
- Indicators: one green light for “Satisfactory Ground”, one red light for “No Ground”.
- External ground lug and internal ground lug supplied; accommodates #14 through #2 AWG.

Standard Materials

- Enclosure: copperfree (4/10 of 1% max.) aluminum

Standard Finishes

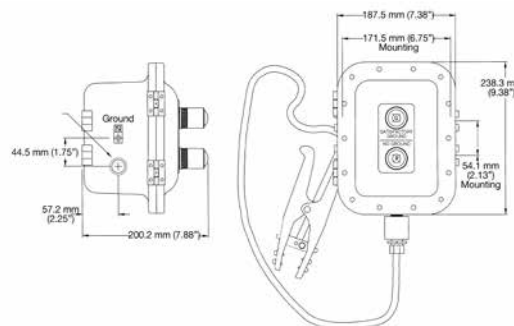
- Epoxy powder coat on enclosure

NEC/CEC Compliances

- UL Standards: UL 1203
- cULus Classified: E84577
- CSA: Standards: C22.2 No 30/C22.2 No 25



Dimensions in Millimeters (Inches)



APPLETON™

CONTROLS: NEC/CEC HAZARDOUS INDICATORS AND GROUNDING DEVICES

| Cable Length in Meters (Feet) | Conduit Entries (Inches) | Voltage (V) | Cable | Catalog Number |
|----------------------------------|-----------------------------|----------------|----------|----------------|
| 7.6 (25) | 3/4 NPT | 120 | Straight | AEPGI120S25 |
| 15.2 (50) | 3/4 NPT | 120 | Straight | AEPGI120S50 |
| 7.6 (25) | 3/4 NPT | 120 | Coiled | AEPGI120C25 |
| 15.2 (50) | 3/4 NPT | 120 | Coiled | AEPGI120C50 |

♦ For Groups B and C, all conduit entries must be sealed adjacent to enclosure.