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A240-Series Ground Verification Monitor



Applications

- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features

- Bright red and green indicators communicate A240 ground monitor status
- Convenient user terminal blocks make installation easy
- Environmentally sealed enclosure provides long service life even in outdoor environments
- Integrates easily into process control systems
- Provides and verifies ground bond through a single connection

Specifications

- Temperature rating: **-40°F to 140°F (-40°C to 60°C)**
- Ingress protection: IEC 60529 IP 66

- NEMA rating: NEMA Type 4, 4X, 7, 9
- Conduit entries: three
- Suitable for installation in hazardous locations: Class I, Division 1 & 2, Groups B, C, and D hazardous locations, Class II, Division 1 & 2, Groups E, F, and G hazardous locations, and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 & 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 & 2, Groups IIC, IIB, and IIA hazardous locations
- Ground connection threshold: relay is energized when ground clamp connection is less than 10Ω
- Number of output relays: one
- Output relay configuration: one set of FORM C contacts (normally open, common, and normally closed contacts)
- Output relay contact rating: 4AMP at 250VAC

Description	Part #
ground verification monitor 120VAC	A240120
ground verification monitor 24VDC	A240024

A540-Series Ground Clamp and Junction Box



Applications

- Tank truck and railcar loading facilities
- Drum and barrel filling sites
- Loading of stationary tanks

Features

- Clamp is tethered to the cable by a stainless steel strap that protects the connection from strain and wear
- Pull-out resistant cord grip on junction box holds cable tighter the harder it is pulled
- Junction box creates convenient service point for hazardous location installations
- Coiled cable (in blue or black) provides compact storage
- Strong clamping force penetrates grime and remains connected during loading process
- Provides ground and a ground-verification signal in a single clamp

Materials

- Jacket: thermoplastic elastomer
- Teeth: stainless steel

Specifications

- Temperature rating: **-40°F to 194°F (-40°C to 90°C)**
- Ingress protection: weatherproof, rain tight, and dust tight
- Conduit entries: one 3/4" trade size hole and a factory-installed cable on the bottom
- Suitable for installation in hazardous locations: Class I, Division 1 and 2, Groups B, C, and D hazardous locations, Class II, Division 1 and 2, Groups E, F, and G hazardous locations and Class III hazardous locations
- Suitable for connection to hazardous locations: Class I, Division 1 and 2, Groups A, B, C, and D hazardous locations and Class I, Zone 0, 1 and 2, Groups IIC, IIB, and IIA hazardous locations
- Recommended wire between controller and the clamp: 18 GA stranded copper wire (THHN)
- Extended working length of cable: 30'

Description	Part #
ground clamp and junction box w/blue cord	A540CSB0251
ground clamp and junction box w/black cord	A540CSX0251
replacement blue cord and clamp	30585RK
replacement black cord and clamp	30585RK-002