

G2 Series Monitoring System

G2 Series Ground Monitoring

The G2 Series is a wall mounted unit that provides a positive ground indication through the use of an intrinsically safe monitoring circuit driving a switching relay. Upon connection of the self-releasing clamp and cable to a conducting material (such as a truck), the intrinsically safe circuit is completed and the operator will be shown a green light to indicate that a ground connection has been established.

While most competing systems only monitor the path from the ground unit to the clamp, the G2 series also employs a segregated cable connection to actual ground, which is also monitored for low resistance. An interruption in either path (indicated by resistance above 5 ohms) will shut down the system.

The system can also be interlocked with filling equipment to ensure that no flammable product can be transferred until the ground is established. If the circuit is broken by release of the grounding clamp or other ground interruption, the control relay will open and a red light will be displayed. Any filling equipment that is controlled by the system will also be halted until the ground is re-established.

The G2 Series systems will do the following: shut down a pump or valve; sound an alarm; show a red light when conditions are unsafe; show a green light when conditions are safe; open contacts on a computer; indicate that static path to ground has integrity and receive permissive signals from a computer control.

Standard options include a choice of aluminum or bronze clamp, straight or self-coiling cord, and a variety of cord storage and retracting reels.

Approvals: cULus Class I, Division 1, Group D and Class II, Groups E, F and G

G2 System with GAT Clamp



- 5 Ohm set resistance point
- Unit measures 13" H x 11" W x 5" D
- 110V power required, 3/4" NPT connection. (220V available)
- Moisture drain

Part Number	Clamp	Cord
G2-25IG-A2	Aluminum GAT-PIP2	25' straight SOOW cord
G2-25IG-A2CC	Aluminum GAT-PIP2	25' coiled SEOOW cord
G2-50IG-A2RL	Aluminum GAT-PIP2	LE9000 reel (see page 45) with 50' 16/2 SOW cord
G2-100IG-A2RL	Aluminum GAT-PIP2	LE9500 reel (see page 46) with 100' 16/2 SOW cord

All units with reels come with 25' cord between reel and G2 system. Call for custom lengths.

Static Bonding & Grounding

G2 Series Monitoring System

G2 System with G40 Clamp



- 5 Ohm set resistance point
- Unit measures 13" H x 11" W x 5" D
- 110V power required, 3/4" NPT connection (220V available)
- Moisture drain

Part Number	Clamp	Cord
G2-25IG-B1	Bronze G40-PMIP1	25' straight SOOW cord
G2-25IG-B1CC	Bronze G40-PMIP1	25' coiled SEOOW cord
G2-50IG-B1RL	Bronze G40-PMIP1	LE9000 reel (see page 45) with 50' 16/2 SOW cord
G2-100IG-B1RL	Bronze G40-PMIP1	LE9500 reel (see page 46) with 100' 16/2 SOW cord

All units with reels come with 25' cord between reel and G2 system. Call for custom lengths.

G2 Deadman Monitoring

The G2 Series Electronic Ground Indicating Systems can be used as a Deadman System with a deadman switch in place of the ground clamp. When the operator depresses the switch, the intrinsically safe monitoring circuit drives a switching relay that can, for instance, switch on a pump and initiate product flow. If the operator releases the switch at any time, the relay opens and product flow is immediately stopped.

Options include red and green indicating lights, coiled cord, and a variety of cord storage and retracting reels. Deadman switch is included with all SKUs.

Approvals: cULus Class I, Division 1, Group D and Class II, Groups E, F and G



Part Number	Indicating Lights	Cord
G2-25IG-DM	Yes	25' straight SOOW cord
G2-50IG-DM	Yes	50' straight SOOW cord
G2-25IG-DMNL	No	25' straight SOOW cord
G2-50IG-DMNL	No	50' straight SOOW cord
G2-50IG-DMRL	Yes	LE9000 reel (see page 45) w/ 50' 16/2 SOW cord
G2-100IG-DMRL	Yes	LE9500 reel (see page 46) w/ 100' 16/2 SOW cord