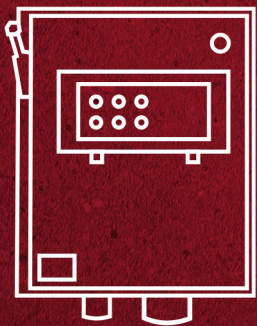




Ultra-fast sentinel



#EnergyThatTransforms

Ultra-fast sentinel



General information

- The Mine Power ULTRA FAST SENTINEL protection board integrates the standard sentinel protections for short circuit, overload, loss of ground wire and ground fault protection.
 - It achieves an effective disconnection of the machine supply voltage within 30 mS, at a magnitude of 30 mA.
 - It is highly effective for the protection of electrical equipment and, above all, of operators.
 - It is used in installations where humidity is a risk factor, such as in mines and pumping plants.
 - In addition, it can include the ground fault relay operation panel, where alarms, parameters and important information can be displayed.
- The welded hoistings all around, resist the weight of the equipment and facilitate the installation, without the need to perforate it, maintaining the hermetic seal.
 - Harness-based control wiring for quick and easy maintenance. Can be replaced as a spare part.
 - Fixed wiring with tree fasteners to ensure that the harness will be in place.
 - Practical way to remove the GM200 relay; with its plug and play connection, it makes maintenance easier and avoids production losses.
 - The flanged connection facilitates the exchange of accessories and connection of the load, giving the user the option to choose the receptacle of his preference and position it, just by removing and mounting the new flange.
 - The power inputs are made in highly durable terminals, located at the bottom to avoid damaging the terminals of the circuit breakers. In addition, it allows the power input to the Mine Power ULTRA FAST SENTINEL with greater ease, by not having to make cuts in the cabinet.

Description

- It contains the operating lever of the high security main switch, with space for three padlocks and lock for the door.



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Product features

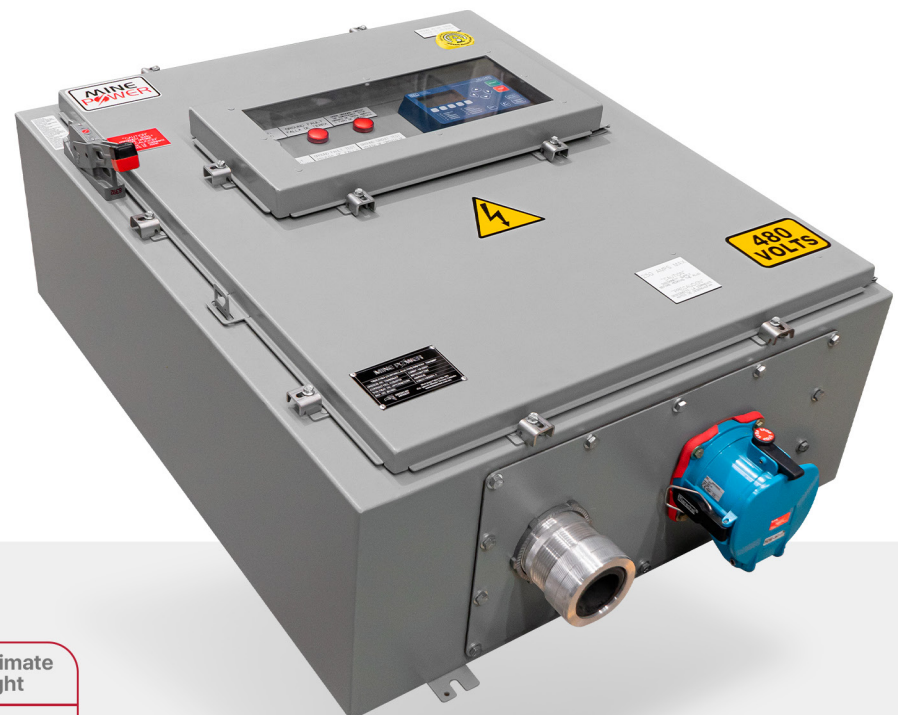
- Current capacity: 150A, 250A and 400A.
- Operating voltage: 480 VAC.
- Linear external drive mechanism.
- Ground fault protection and pilot wire monitoring.
- Voltage presence detector.
- Gland connection and shunt by means of 480V meltric receptacle on 150A and 250A equipment.
- In 400A equipment, connection and output to the load with gland.
- Door lock to prevent the panel from being opened when the equipment is energized.

NOTE: The standard finish is electrostatic paint, oven hardened in embossed GREY ANSI 61. If you require a particular shade or color, please mention it when placing your order. Also, it can be manufactured in stainless steel to increase its characteristics in the food industry.

Application

Protection of users and electrical equipment in:

- Mining installations.
- Food industry.
- Pumping stations.



Equipment specifications

Equipment code	Degree protection	Material	Receptacle	Approximate weight
MPCENT150UR	Nema 4	A36 Steel / Polyester	Meltric 150	165 lbs
MPCENT250UR	Nema 4	A36 Steel / Polyester	Meltric 250A	176 lbs
MPCENT4000UR	Nema 4	A36 Steel / Polyester	N/A	209 lbs

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Benefits

Effective voltage disconnection in 30mA at 30mS.

Safe equipment.

Easy and fast maintenance.

Safety for users.

Complementary product:


Part. Number	Description
GM-200	Gm-200 Relay
GM200 HARNESS KIT	GM200 Plug and Play harness
ARNES250 KIT	Complete control harness
ARNES250 KIT	Voltage supply connectio terminals



Standards

- UL 1053 protection of property.
- IEC 61008 protection of property and personal.

MINE POWER®

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