

OHM Metrics Power Relay

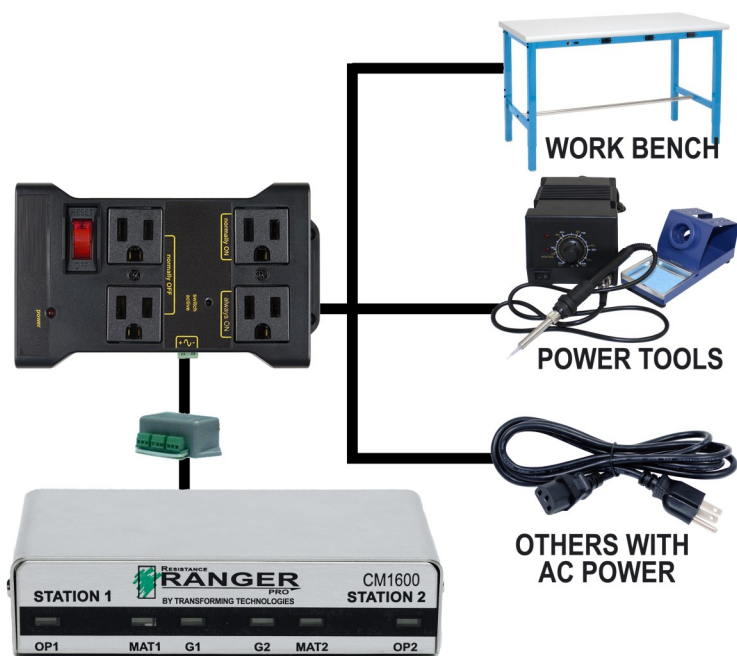
Part Number: CM-RELAY-IOT

Safely Control Power to Your ESD Workstation Dependent on the Status of a Constant Monitor with a Relay Controlled Power Strip.

Integrate the Power Strip with a relay enabled constant monitor, such as Transforming Technologies' [Ranger Pro CM1600](#) to turn off power to your work bench, power tools and other electronic devices if the monitor signals an un-safe ESD condition.

Plug the dependent tools into the Power Strip as normal and simply connect two wires - one to ground and one to the constant monitor relay signal - to control power to the workstation.

A single logic input signal controls one high-current SPDT AC relay. This one relay trigger signal switches three AC outlets simultaneously using a single-pole double-throw relay. One outlet normally is on. Two are normally off. A fourth outlet is unswitched. All outlets are protected against surges and overloads. The relay can also be controlled by an AC input voltage of 12 to 120VAC. No changes or jumpers are required.



ESD SAFE STATUS: POWER ON ■

ALARM STATUS: POWER OFF ■

Ohm METRICS
Test & Measurement Equipment



Features

- Control Power to a Workstation Based on ESD Safe Conditions
- Turn Off Power at Work Bench, Power Tools and More if Monitor Signals an Un-safe ESD condition.
- Compatible with Relay Controlled Constant Monitors & Other Devices
- Four Power Outlets

Applications:

ESD constant monitors reduce production costs by eliminating the time spent on testing wrist straps. Further savings may be realized by reduced ESD damage from broken wrist straps and unsafe ESD conditions between regular testing.

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Components

- 1. Normally On Outlet:** Provides power unless the operator is connected to the Constant Monitor, and it reports all PASS conditions.
- 2. Always On Outlet:** Always provides power regardless of the Constant Monitor's status.
- 3. Switch Active LED:** Illuminates green when the internal relay switch is activated.
- 4. Interface Connector:** Use this connector to connect to the Constant Monitor relay.
- 5. Normally Off Receptacles:** Provides power when the operator is connected to the Constant Monitor and it does not report any alarm conditions.
- 6. Power Switch:** Rock to RESET to turn on the Power Relay. Rock to OFF to turn off the Power Relay.



- 1 Normally On Outlet (1)**
- 2 Always On Outlet (1)**
- 3 Switch Active Light**
- 4 Interface Connector**
- 5 Normally Off Outlets (2)**
- 6 On Off Switch**
- 7 Power Indicator Light**

Application:

Integrate the power strip with relay enabled constant monitors, such as Transforming Technologies' Ranger Pro CM1600. Simply connect two wires - One to ground and one to your control signal - to control power to the workstation. A single logic input signal controls one high-current SPDT AC relay. This one relay trigger signal switches three AC outlets simultaneously using a single-pole double-throw relay. One outlet normally is on. Two are normally off. A fourth outlet is unswitched. All outlets are protected against surges and overloads. The relay can also be controlled by an AC input voltage of 12 to 120VAC. No changes or jumpers are required.

Instructions

Pair the CM-RELAY-IOT Power Outlet with a Constant Monitor such as the CM1600, CM2815, CM2800, CM120, or CM130 and the CM-Relay to control power to workbenches, hand tools, and other electronics devices.

1. Determine the best location to mount the CM-RELAY-IOT Power Outlet.
2. Connect the white attachment of CM-Relay to the constant monitor using the port on the side of the monitor.
3. Connect the CM-Relay to the green connector on the side of the Power Relay Outlet.
4. Connect the power cord from the continuous monitor to the Always ON outlet on the Power Relay.
5. Connect the power cord of the external electronic device to one of the Normally OFF outlet
6. Toggle the power switch to the RESET position. Both the continuous monitor and the Power Relay will power on.
7. This setup will power the external electronic device whenever an operator connects to the continuous monitor and no alarms are reported.

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