

MZ-1 Multizone Controller

This new MultiZone Safety Controller is a custom designed controller that acts as an interface between various Tapeswitch Sensing devices and a machine or process control. It is designed to monitor up to six zones and provides power to all connected B-Series Light Curtain emitters and receivers and monitors the output signals. In addition to Light Curtains, the MultiZone Safety Controller interfaces with various pressure-sensitive, normally-open switches made by Tapeswitch including ribbon switches, sensing edges/bumpers, and switching mats.



Features & Benefits

- Custom design for any application
- Controls up to 6 safety zones from one location
- Detects sensor, cabling, or internal faults
- Automatic or manual reset or combination
- Visual status display of all zones
- Compatible with Tapeswitch sensing products

The MultiZone Safety Controller incorporates built-in fault protection. It automatically detects an open or short within the sensor or its connecting cable and can also detect internal failures.

The MultiZone Safety Controller is a fully self-contained unit housed in a rugged metal enclosure and is designed to be wall mounted. It will accept an input power source range of 85 to 264 Vac at an input frequency range of 47 to 63Hz. The unit will also accept a regulated 24 Vdc supply.

Technical Specifications for MultiZone Safety Controller.

Supply Voltage	110/240 Vac 50/60 Hz or 24 Vdc
Power Consumption	30 VA typical
Enclosure Type	Metal wall mount
Protection Rating	NEMA 12
Weight	15 lbs.
Reset Mode	Automatic, manual, or combination
Output Relays	Force guided safety relays 5.0 A @ 240 Vac, resistive load
Monitor Output	Non-safety 6X (N/O or N/C) 5.0 A @ 240 Vac, resistive load
Operating Temperature	32 to 122 Â°F (0 to 50 Â°C)
Response Time	< 30MS