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A full spectrum of sensing and signaling products for protection, detection, and safety.

C6 Multifunction Safety Controller



Description

The C6 Multifunction Safety Controller acts as an interface between various Tapeswitch sensing devices and a machine or process control. It is designed to monitor up to six zones consisting of 1 to 3 B-Series Light Curtains and/or 1 to 6 other sensing devices. The C6 safety controller provides power to all connected B-Series Light Curtain emitters and receivers and monitors the output signals. In addition to the light curtains, the C6 safety controller interfaces with various pressure-sensitive, normally-open switches made by Tapeswitch including ribbon switches, sensing edges/bumpers, and switching mats

Features & Benefits

- 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 C6 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 C6 safety controller is a fully self-contained unit housed in a rugged metal enclosure. It is designed to be wall mounted and has six knockouts that accept standard 1/2in. or 3/4in. conduit. It will accept an input power source range of 85 to 264VAC at an input frequency range of 47 to 63Hz. The unit will also accept a regulated 24VDC supply.

Technical Specifications

Supply Voltage:	110/240VAC 50/60Hz or 24VDC
Power Consumption:	30VA typical
Enclosure Type:	Metal wall mount
Protection Rating:	NEMA 1/IP10 (Standard), NEMA 12/IP52 (Optional)
Weight :	9.5lbs (4.3kg)
Reset Mode:	Automatic, manual, or combination
Output Relays:	Force guided safety relays 6.0A @ 240VAC, resistive load Non-Safety 6X (N/O or N/C) 10A @ 240VAC, resistive load
Monitor Output:	
Operating Temperature:	32 to 122°F (0 to 50°C)
Response Time:	10ms