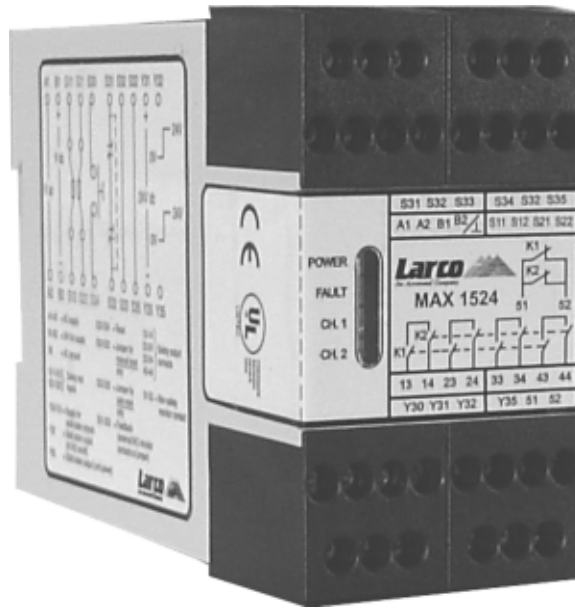
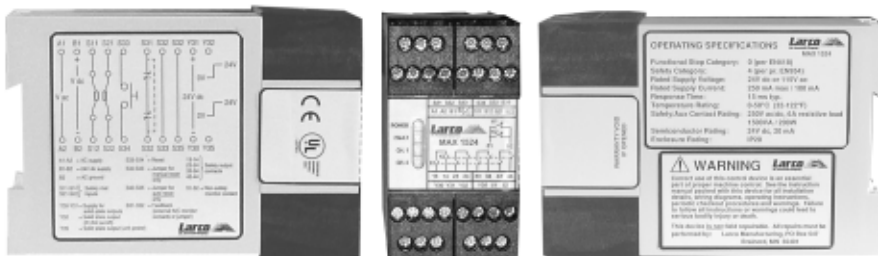


MAX-Series Controllers



Larco's MAX-Series control units are designed to provide continuous safety system monitoring in applications where individual mat diagnostics are not necessary.

The MAX's four-wire closed-loop mat circuit is designed to monitor safety mats for activation and provides continuous systems signals via high-intensity LEDs. In addition, the MAX can accommodate automatic restart and guard only modes and three different input voltages.



When paired with a Larco industrial safety mat system, the MAX relay can be used in point-of-operation, area and perimeter guarding around machinery, including robotic welders, load/unload stations, pick and place robots, plastic blow molding machines, assembly machines, tube benders, punch presses, automated material handlers, packaging machines, textile machines, paper producing machines and many other hazardous applications.

Product Features and Options

- Capable of monitoring up to 10 Larco mats joined in series with a Larco junction box
- Selectable Auto-Reset or Manual Reset
- Input monitoring circuit incorporates diverse-redundant microprocessors for control reliable performance
- Mounts on standard DIN rail
- High visibility status lights indicate system performance



PO Box 547 • 1902 13th Street SE • Brainerd, MN 56401
phone 218-829-9797 • toll free phone 800-523-6996
fax 218-829-0139 • toll free fax 800-589-3705

www.larcomfg.com

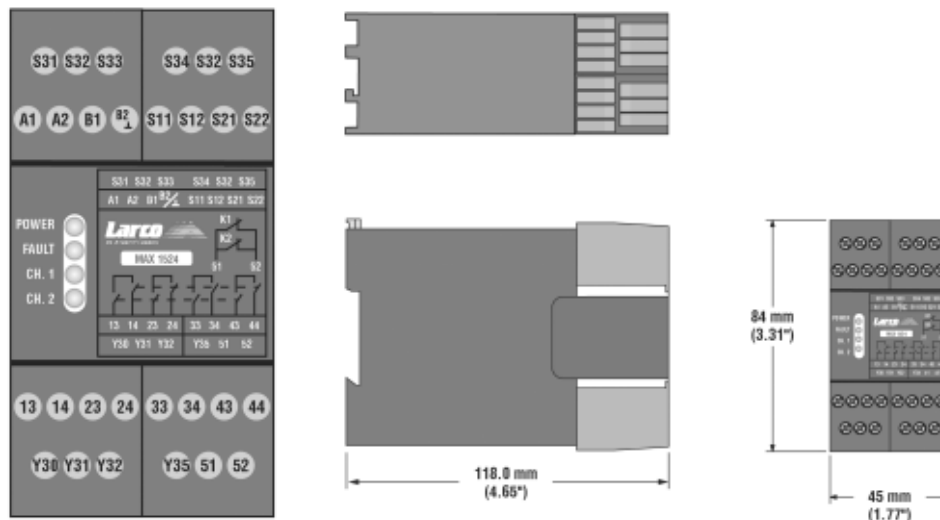
WARNING! Usage of safety mats and safety mat devices is governed by each user's local codes and applicable industry standards. Improper usage of these devices could result in severe injuries. Applications must be limited to machines that can be stopped consistently and immediately at any point during the hazardous cycle or stroke. In the event that Larco safety mats do not prevent all access to the hazardous operation, the unprotected access must be guarded by other appropriate safeguarding devices or barriers.

IS17-December 2003

MAX-Series Controller Specifications

Performance		Electrical	
Response Time	15 ms max.	Power Consumption	Approx. 1.5 VA/ 4 W
Indicators	3 green Power ON, Channel 1 and Channel 2 LED indicators 1 red Fault LED indicator	Power Input Options	MAX 1524: 115 VAC, 24VDC (+15%) MAX 2324: 230 VAC, 24VDC (+15%)
Operational Modes	Automatic or Manual Restart	Safety Inputs	Monitors up to 10 4-wire safety mats with 20' standard cord length when used in conjunction with a Larco junction box
Electromagnetic Compatibility (EMC)	Conforming to EMC Directive	Safety Output Relays	4 NO (Closed when Run) 1NC (Open when Run)
Vibration Resistance	10 to 55Hz @ 0.35 mm displacement per IEC 68-2-6	Relay Life	Mechanical: 50,000,000 Electrical: 100,000 at 6 A
Misc.		Environmental	
Mounting	Mounts to standard DIN Rail- MAX units must be installed inside enclosure rated NEMA 3 (IP54) or better	Operating Temperature	0° to +50°C (+32° to 122°F)
Shipping Wt.	1.04 lbs	Max. Relative Humidity	90% @ +50°C (non-condensing)
Applicable Standards	Designed to meet UL 508-1999 Standard for Industrial Control Equipment, ANSI B11.19-2003 Performance Criteria for Safeguarding, OSHA 1910-212-1996 General Machine Guarding, ANSI/RIA 15.06-1999 Industrial Robots and Robots Systems-Safety Requirements, EN/IEC 60204-1998 Electric Equipment of Machines, and EN 1760-2001 Safety of Machinery, Pressure Sensitive Protective Devices	Enclosure	Polycarbonate 3.31" H x 1.77" W x 4.65" D (84mm x 45 mm x 118 mm)
		Enclosure Rating	NEMA 1, IP20

Details & Dimensions



PO Box 547 • 1902 13th Street SE • Brainerd, MN 56401
 phone 218-829-9797 • toll free phone 800-523-6996
 fax 218-829-0139 • toll free fax 800-589-3705

www.larcomfg.com