

MAX-Series Controllers



The power of control. Automated.

The Larco MAX-Series Control Units are designed to provide continuous safety system monitoring in applications where individual mat diagnostics are not necessary. They are used where visible indicators for operators are not needed.

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.



Features and Benefits

- Capable of monitoring up to 10 Larco Safety Mats joined in series using 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

TECHNICAL SPECIFICATIONS

PERFORMANCE

Response Time	15 ms max.
Indicators	10.525 +/-0.005GHz
Power On	Green LED
	Channel 1 and Channel 2 LED Indicators 1 Red Fault LED Indicator
Operational Modes	Automatic or Manual Restart
Electromagnetic Compatibility (EMC)	Conforming to EMC Directive
Vibration Resistance	10 to 55Hz @ 0.35 mm Displacement Per IEC 68-2-6
Misc. Mounting	Mounts to Standard DIN Rail-MAX Units Must Be Installed Inside Enclosure Rated NEMA 3 (IP54) or Better
Shipping Weight	1.04 lbs
Applicable Standards	Designed to Meet UL 508 Standard for Industrial Control Equipment, ANSI B11.19 Performance Criteria for Safeguarding, OSHA 1910-212 General Machine Guarding, ANSI/RIA 15.06 Industrial Robots and Robots Systems-Safety Requirements, EN/IEC 60204 Electric Equipment of Machines, and EN 1760 Safety of Machinery, Pressure Sensitive Protective Devices

ELECTRICAL

Power Consumption	Approx. 1.5 VA/ 4 W
Power Input Options	MAX 1524: 115 VAC, 24VDC (+15%) MAX 2324: 230 VAC, 24VDC (+15%)
Safety Inputs	Monitors Up to 10 4-wire Safety Mats With 20' Standard Cord Length When Used in Conjunction With a Larco Junction Box
Safety Output Relays	4 NO (Closed when Run), 1NC (Open when Run)
Relay Life	Mechanical: 50,000,000 Electrical: 100,000 at 6 A

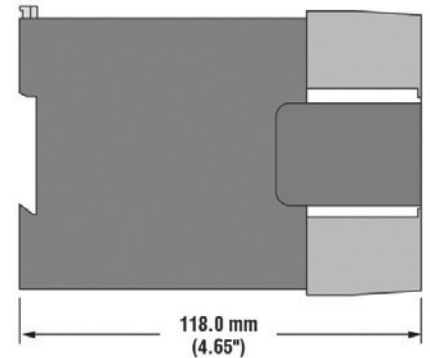
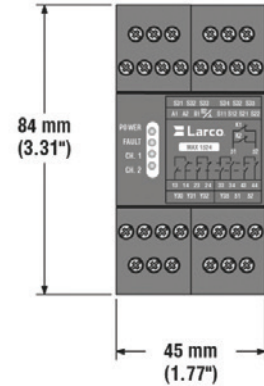
ENVIRONMENTAL

Operating Temperature	0° C to +50° C (+32° F to 122° F)
Max. Relative Humidity	90% @ +50° C (non-condensing)
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

ORDERING INFORMATION

MAX 1524	Part # 23365300
MAX 2324	Part # 23365400

Details and Dimensions



View the full product line at Larco.com

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WARNING: Cancer and Reproductive Harm - www.P65Warnings.ca.gov

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