

ALARM MONITORING

M1000 Alarm Monitor

CE



Features/Benefits

- Alarm panel with ten digital inputs that trigger a corresponding LED to flash with a common alarm and siren output
- Supports both normally open and normally closed input contacts
- Multiple units can be connected ad one system for a modular and scalable solution

Specifications

| | |
|----------------------------|---|
| Voltage Supply | 12-24 Vdc -30/+30% (8-32 Vdc) 48-110 Vdc -30/+40% (33-155 Vdc) |
| Siren Relay Contact | 220 Vac/2 A; 30 Vdc/2 A, 30 W |
| Communication | RS485 Interface |
| Dimensions | H 144 mm (5.7") W 144 mm (5.7") D 35 mm (1.4") |

Web Resources

littelfuse.com/m1000

| ORDERING NUMBER | CONTROL POWER | FUNCTION |
|-----------------|---------------|-------------------------------|
| M1000.0040 | 48-110 Vdc | IP54 front |
| M1000.0080 | 12-24 Vdc | IP54 front |
| M1000.0220 | 12-24 Vdc | Internal siren, IP54 at front |

M3000 Analog Alarm Annunciator

CE



Features/Benefits

- 24 inputs that can be configured individually for dry contact (normally open or normally closed) inputs or analog inputs
- Programmable 10-character LCD text so each alarm is indicated clearly
- 24 inputs and 48 alarms allow for individual reference to any input and easy configuration of group and individual alarms

Specifications

| | |
|-----------------------|---|
| Voltage Supply | 24 Vdc ±30% |
| Consumption | Max. 400 mA |
| Sensor Inputs | 24 |
| Alarms | 48 |
| LEDs | 24 |
| Communication | RS485 Interface |
| Dimensions | H 144 mm (5.7") W 144 mm (5.7") D 70 mm (2.7") |

Web Resources

littelfuse.com/m3000

| ORDERING NUMBER | CONTROL POWER | ACCESSORIES |
|-----------------|---------------|-------------------------------|
| M3000.0010 | 24 Vdc | M1500 PT100 6-way Transmitter |

M4200 Alarm Monitor

CE



Features/Benefits

- Cost effective solution, with the possibility of monitoring eight individual sensors
- Supports both normally open and normally closed input contacts
- Programmable LED color change allows flexible adjustment according to application
- Cable monitoring on sensor inputs indicates sensor health in case a sensor is lost

Specifications

| | |
|-----------------------|---|
| Voltage Supply | 8.4-40 Vdc; 8.4-50 Vac |
| Consumption | Max. 180 mA |
| Relay Output | Max. 250 Vac/6 A |
| Dimensions | H 96 mm (3.8") W 96 mm (3.8") D 20 mm (0.8") |

Web Resources

littelfuse.com/m4200

| ORDERING NUMBER | CONTROL POWER |
|-----------------|---------------|
| M4200.0010 | 24 Vdc |

ALARM MONITORING

M4500, M4600 & M4700 Alarm Indicators



Features/Benefits

The M4500, M4600 and M4700 Indicator Panels are intended for status indication of any process providing on/off outputs. The panels contain 6, 8 or 20 channels.

- Clamping fittings and plug-in terminal blocks allow for easy installation
- RS485 communication available for a remote display or PLCs



Specifications

| | |
|-----------------------|--|
| Voltage Supply | 24 Vdc ±25% |
| Dimensions | M4500: H 72 mm (2.8") |
| | W 72 mm (2.8") D 67 mm (2.6") |
| | M4600: H 96 mm (3.8") |
| | W 96 mm (3.8") D 67 mm (2.6") |
| | M4700: H 144 mm (5.7") |
| | W 144 mm (5.7") D 67 mm (2.6") |

Web Resources

- littelfuse.com/m4500
- littelfuse.com/m4600
- littelfuse.com/m4700

| ORDERING NUMBER | CONTROL POWER | INPUT REFERENCE | ACCESSORIES |
|-----------------|---------------|-----------------|---|
| M4500.0010 | 24 Vdc/Vac | +24 Vdc | |
| M4500.0020 | 48 Vdc/Vac | +48 Vdc | |
| M4500.0030 | 12 Vdc/Vac | +12 Vdc | |
| M4500.0040 | 24 Vdc/Vac | 0 Vdc | |
| M4500.0050 | 48 Vdc/Vac | 0 Vdc | |
| M4500.0060 | 12 Vdc/Vac | 0 Vdc | |
| M4600.0010 | 24 Vdc/Vac | +24 Vdc | M0845.0010 Front cover for M4500 with handle IP54 |
| M4600.0020 | 48 Vdc/Vac | +48 Vdc | |
| M4600.0030 | 12 Vdc/Vac | +12 Vdc | M0845.0020 Front cover for M4500 with key IP54 |
| M4600.0040 | 110 Vdc | +110 Vdc | |
| M4600.0050 | 24 Vdc/Vac | 0 Vdc | |
| M4600.0060 | 48 Vdc/Vac | 0 Vdc | M0846.0010 Front cover for M4600 with handle IP54 |
| M4600.0070 | 12 Vdc/Vac | 0 Vdc | |
| M4700.0010 | 24 Vdc/Vac | +24 Vdc | |
| M4700.0020 | 48 Vdc/Vac | +48 Vdc | |
| M4700.0030 | 12 Vdc/Vac | +12 Vdc | M0846.0020 Front cover for M4600 with key IP54 |
| M4700.0040 | 110 Vdc | +110 Vdc | |
| M4700.0050 | 24 Vdc/Vac | 0 Vdc | |
| M4700.0060 | 48 Vdc/Vac | 0 Vdc | M0847.0010 Front cover for M4700/M4780 with handle IP54 |
| M4700.0070 | 12 Vdc/Vac | 0 Vdc | |
| M4700.0080 | 110 Vdc | 0 Vdc | |
| M4700.0090 | 230 Vac | +24 Vdc | M0847.0020 Front cover for M4700/M4780 with key IP54 |
| M4700.0100 | 110 Vac | +24 Vdc | |
| M4700.0110 | 230 Vac | 0 Vdc | |
| M4700.0120* | 24 Vdc | +24 Vdc | |
| M4700.0120* | 24 Vdc | +24 Vdc | |
| M4700.0130† | 230 Vac | +24 Vdc | |
| M4780.0010‡ | 24 Vdc | 24 Vdc | |

*With common alarm relay, siren relay and built-in siren.
†Inverted reference. With common alarm relay, siren relay and built-in siren.
‡ Modbus Indicator Panel, 20 channels, 24 Vdc, common alarm relay and built in siren.

H4000 HMI Operator Panels



Features/Benefits

The HMI operator panel is a touch-screen solution for SCADA solutions, designed for applications like engine control and supervision systems, power management systems and alarm systems. They can be integrated with products such as the M2500, Engine Controller, Generator Controllers and Alarm Panels.

- Clear, high-resolution screen provides high level of details

Specifications

| | |
|-------------------|--|
| Dimensions | M4000: H 219 mm (8.6") |
| | W 154 mm (6.0") D 6 mm (0.2") |
| | M4100: H 301 mm (11.9") |
| | W 228 mm (9.0") D 6 mm (0.2") |
| | M4200: H 398 mm (15.7") |
| | W 304 mm (12.0") D 6 mm (0.2") |

Web Resources

- littelfuse.com/h4000



| ORDERING NUMBER | DESCRIPTION |
|-----------------|------------------------------|
| H4000.0010 | HMI Panel 6,5" |
| H4000.0020 | HMI Panel 6,5", sun readable |
| H4100.0010 | HMI Panel 10,4" |
| H4100.0020 | HMI Panel 10,4" sun readable |
| H4200.0010 | HMI Panel 15,1" |
| H4200.0020 | HMI Panel 15,1" sun readable |
| H4900.0010 | Programming Software |