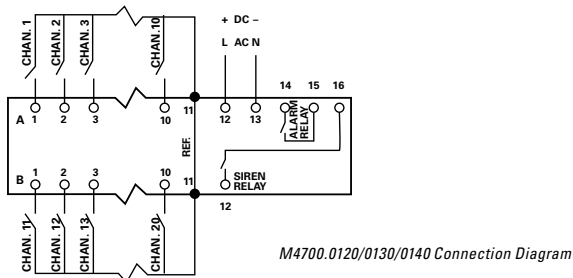


# M4500, M4600, & M4700 SERIES

## Alarm Indicators



## Simplified Circuit Diagram



## Ordering Information

ORDERING NUMBER	CONTROL POWER	INPUT REFERENCE
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
M4600.0020	48 Vdc/Vac	+48 Vdc
M4600.0030	12 Vdc/Vac	+12 Vdc
M4600.0040	110 Vdc	+110 Vdc
M4600.0050	24 Vdc/Vac	0 Vdc
M4600.0060	48 Vdc/Vac	0 Vdc
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
M4700.0040	110 Vdc	+110 Vdc
M4700.0050	24 Vdc/Vac	0 Vdc
M4700.0060	48 Vdc/Vac	0 Vdc
M4700.0070	12 Vdc/Vac	0 Vdc
M4700.0080	110 Vdc	0 Vdc
M4700.0090	230 Vac	+24 Vdc
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

ACCESSORIES	DESCRIPTION
M0845.0010	Front cover for M4500 with handle IP54
M0845.0020	Front cover for M4500 with key IP54
M0846.0010	Front cover for M4600 with handle IP54
M0846.0020	Front cover for M4600 with key IP54
M0847.0010	Front cover for M4700/ M4780 with handle IP54
M0847.0020	Front cover for M4700/ M4780 with key IP54

\*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.

## Description

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, respectively.

An input through a dry contact will light the corresponding LED.

These panels are an ideal solution for local or remote indication of the output signals from, for example, a PLC or from alarm monitors such as the M1000. The 20 channel M4700 is available in a version with built-in alarm and siren relays.

M4780 is a versatile 20 channel indicator panel which can be used for monitoring of dry contacts and signal states transmitted through a common 2-wire RS485 communication bus using the MODBUS-RTU protocol. This unit is a combination of a traditional indicator panel with dry contact inputs and a MODBUS indicator panel. M4780 can also work as an alarm monitor using two internal relays for group alarms and control of an external siren. An internal siren for local use is built-in. Via the MODBUS-RTU a PLC can read the state of the LEDs and the inputs on the M4780. This feature makes the M4780 a cost effective 20 channel digital input device with indications in PLC systems.

## Features & Benefits

FEATURES	BENEFITS
<b>Clamping fittings and plug-in terminals blocks</b>	Easy installation
<b>RS485 communication available</b>	Remote display for alarm panels or PLCs
<b>Alarm and siren relay available</b>	Audible remote alarm

## Specifications

<b>Voltage Supply</b>	24 Vdc ±25%
<b>Inputs</b>	M4500: 6; M4600: 8; M4700: 20
<b>Extra Push-Button</b>	M4500/M4600: 250 Vac, 0.5 A
<b>Alarm &amp; Siren Relays</b>	M4700: Normally open (NO) contact
<b>Contact Data</b>	M4700: AC=250 V, 1.2 A, 125 VA DC=30 V, 1 A, 30 W
<b>Operating Temp.</b>	-10 to +70°C
<b>EMC</b>	CE according to EN50081-1, EN50082-1, EN50081-2, EN50082-2
<b>Burn-in</b>	50 hours before final test
<b>Weight</b>	M4500 0.2 kg, M4500 230 Vac supply, 0.3 kg M4600 0.3 kg, M4500 110 V and 230 Vac supply, 0.4 kg M4700.01xx 0.5 kg (with 230 Vac supply, 0.7 kg)
<b>Dimensions</b>	M4500: <b>H</b> 72 (2.8"); <b>W</b> 72 (2.8"); <b>D</b> 67 mm (2.6") M4600: <b>H</b> 96 (3.8"); <b>W</b> 96 (3.8"); <b>D</b> 67 mm (2.6") M4700: <b>H</b> 144 (5.7"); <b>W</b> 144 (5.7"); <b>D</b> 67 mm (2.6")
<b>Panel Cut-out</b>	M4500: <b>H</b> 68 (2.7"); <b>W</b> 68 (2.7") M4600: <b>H</b> 92 (3.6"); <b>W</b> 92 (3.6") M4700: <b>H</b> 138 (5.4"); <b>W</b> 138 (5.4")
<b>Protection Degree at Front</b>	IP31

# Mouser Electronics

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## Littelfuse:

[M4700.0010](#) [M4700.0090](#) [M4700.0170](#) [M4600.0010](#) [M4700.0120](#) [M4600.0050](#) [M4500.0030](#) [M4700.0140](#)  
[M4780.0010](#) [M4500.0010](#) [M4700.0050](#) [M4700.0130](#) [M4700.0180](#) [M4600.0030](#) [M4600.0040](#) [M4600.0090](#)  
[M4600.0080](#) [M4700.0040](#) [M0846.0010](#) [M0846.0020](#) [M0847.0010](#)