

INDEECO M&S Series Power Controllers

www.indeecocontrols.com

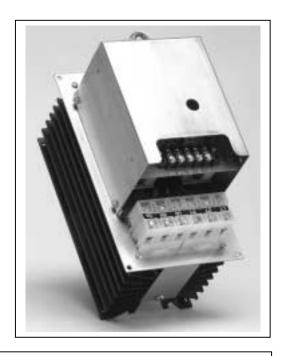
Operation

The M&S Series can be used to replace earlier models of H&J Series and D&E Series power controllers. Contact the factory for additional information and cross-referencing.

M&S Series power controllers are solid-state, zero-cross fired, proportional devices. Line voltage is switched 0-100% linearly, with respect to the input range. A 4 second time-base controls power to the load. For example, a 5VDC signal to a 0-10VDC input will cycle the output full on for 2.0 seconds and full off for 2.0 seconds. Line voltage is used to power the electronics. An external transformer is not required.

Features of these controllers include an LED to indicate when the output should be on. Also, the output will be shut off if the input signal is disconnected or the input is shorted.

Masters can operate alone or can drive numerous slaves to control multiple loads. Slaves can be driven from other controllers with a pulsing-DC type output (see specifications).



Catalog and Part Numbers:

101-M3-480-50-E-W

Mounting	Type	AC Voltage	Max Current	Input Code	Gasket Kit
101 = through	M = master	120 = 120 VAC	50 = 50 amps	A = 2200 ohm	W = included
panel	S = slave	208 = 208 VAC	70 = 70 amps	C = 135 ohm	blank = (none)
		240 = 240 VAC		D = 6-9VDC	
	AC Phase	277 = 277VAC		E = 4-20mA	
	1 = 1 phase	480 = 480 VAC		L = 0-10VDC	
	3 = 3 phase	600 = 600 VAC		blank = slave	

Note: Input boards can be changed in the field to reconfigure the power controller. Some models, i.e. 440VAC, have a separate 120VAC transformer for the electronics. Contact the factory for other catalog and part numbers not shown above.

Specifications

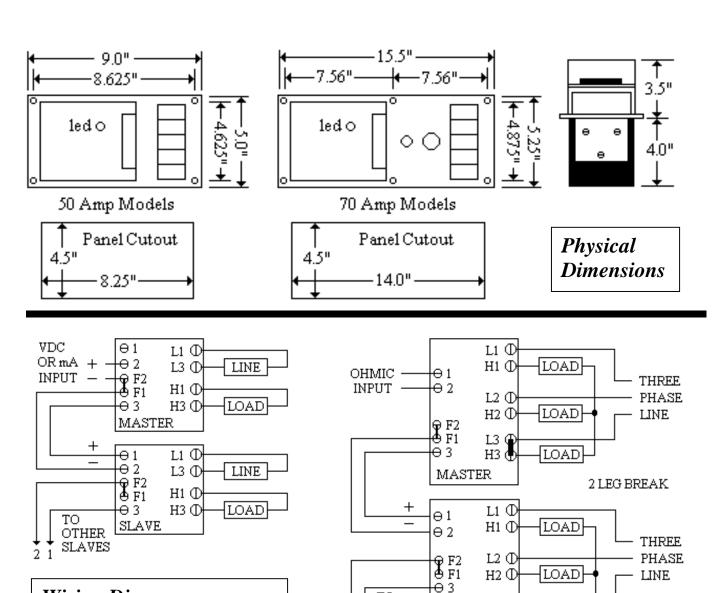
Storage Temp: -40° to 190°F Operating Temp: -40°F to 132°F

UL Recognized: File E52105 Guide XAPX2

Isolation: 2500Vrms input to output Isolation: 2500Vrms output to heatsink Line Voltage: +/- 10% of AC Voltage rating Frequency: 47 to 63 Hertz, sinewave only

Load Current: 0.5A to Max Current rating Load Wire Range: 2-18 AWG, copper only Input Impedance: 250Ω (mA), $47K\Omega$ (VDC) Input Wire Range: 16-22 AWG, copper only Slave Input: 3.0-12VDC, $270K\Omega$ impedance UL Type 4X with option "W" gaskets.

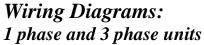
Panel gasket and screws shipped loose.

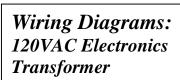


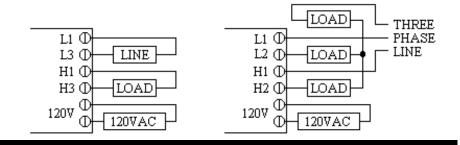
TO

OTHER

SLAVES







SLAVE

L3 (4 H3 (4

LOAD

INDEECO CONTROLS

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l Off	Full On	
	run On	Board Part #
0 ohms	2250 ohms	110-B50M-A
ohms	120 ohms	110 B50M-C
VDC	8.5 VDC	110-B50M-D
mA	18.4 mA	110-B50M-E
VDC	9.0 VDC	110-B50M-L
.0 VDC	>3.0 VDC	110-B50S
	mA	mA 18.4 mA VDC 9.0 VDC