

Warrick Series 2 Conversions to Series 16VM Relay

The Series 2 relay was a solid-state relay with field adjustable sensitivity. The Series 2 is now obsolete, but can be replaced with the Series 16VM relay as it also has field adjustable sensitivity. If you know the sensitivity you are using, review the Series 2 conversions to 16M or 16 Open Board sheet. The 16VM comes with a pack of resistors or a potentiometer to set the sensitivity, and can be Direct or Inverse Mode. The chart below shows the Series 2 part number structure.

SENSITIVITY CHART

SERIES 2 PART NO.	SERIES 16VM PART NO.			
	DIRECT MODE		INVERSE MODE	
	16VM W/ RESISTORS	16VM W/ PENTIOMETER	16VM W/ RESISTORS	16VM W/ PENTIOMETER
2C1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2C2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2C4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2C5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "C" has two N.O. contacts; a second 16VM may be required

2D1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2D2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2D4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2D5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

2E1F0	16MX1A0	16MY1A0	16MYKA0	16MZ1A0
2E2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2E4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2E5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "E" has two N.C. contacts; a second 16VM may be required

2F1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2F2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2F4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2F5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "F" has three N.O. contacts; three 16VM's may be required

SENSITIVITY CHART (CONTINUED)

SERIES 2 PART NO.	SERIES 16VM PART NO.			
	DIRECT MODE		INVERSE MODE	
	16VM W/ RESISTORS	16VM W/ PENTIOMETER	16VM W/ RESISTORS	16VM W/ PENTIOMETER
2G1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2G2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2G4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2G5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "G" has two N.O. contacts and one N.C. contact; three 16VM's may be required

2H1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2H2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2H4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2H5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "H" has one N.O. contact and two N.C. contacts; three 16VM's may be required

2J1F0	16MX1A0	16MY1A0	16MK1A0	16MZ1A0
2J2F0	16MX2A0	16MY2A0	16MK2A0	16MZ2A0
2J4F0	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option	No 460 VAC Option
2J5F0	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option	No 575 VAC Option

Option "J" has three N.C. contacts; three 16VM's may be required

HOW TO ORDER

SERIES 2 X X X X - 2Z1 X



CONTACT CONFIGURATION			AC LINE VOLTAGE		SECONDARY VOLTAGE		ENCLOSURE		SETPOINT VALUE		
LETTER	N.O.	N.C.	#	VOLTAGE	LETTER	SEC. VOLTS	#	TYPE	LETTER	RESISTOR VALUE (OHM)	DIST/FT*
C	2	0	1	115 VAC	F	10	0	OPEN	A	470	12,500
D	1	1	2	230 VAC			1	NEMA 1	B	1,000	5,000
E	0	2	4	460 VAC			4	NEMA 4	C	2,200	2,300
F	3	0	5	575 VAC					D	4,700	1,300
G	2	1							E	10,000	500
H	1	2							F	22,000	230
J	0	3							G	47,000	125
									H	100,000	50

* Distance based on 14 AWG wire type THHN or MTW