

TECHNICAL:
RATED VOLTAGE: 120VAC, 208VAC, 240VAC, 277VAC, 120/240VAC, 120/208VAC 30, 208VAC 30, 240VAC 30 (277VAC non-UL.)
OPERATING VOLTAGE RANGE: 85% TO 110% OF RATED
CURRENT: UP TO 30 AMPS OR WIRING DEVICE RATING
FREQUENCY: 60Hz, 50Hz (AVAILABLE non-UL)
TRIP LEVEL: 5 ± 1mA
PHASE: SINGLE, DUAL VOLTAGE, AND THREE-PHASE
RESPONSE TIME: 25 mS MAX. @500 OHM FAULT
DIELECTRIC WITHSTAND: 1500 VRMS ACROSS CONTACT
SURGE WITHSTAND: 4000 VRMS BETWEEN CONDUCTORS AND ENCLOSURE
OPERATING TEMPERATURE RANGE: 6000V IMPULSE, 0.5 MICROSECOND RISE TIME 100KHZ RINGING FREQUENCY WITH -35°C TO +66°C (-31°F TO +151°F)
LEAKAGE CURRENT @ 93% HUMIDITY: 40% DECAY PER CYCLE ZERO
OVERLOAD CURRENT: 180 AMPS, 50% INDUCTIVE (25 CYCLES)
RF NOISE SUSCEPTIBILITY: NORMAL OPERATION WITH 0.5 VRMS INJECTED ON POWER LINE WITH FREQUENCIES UP TO 450 MHz
CURRENT FILTERS: SPECIFICALLY FILTERED TO MINIMIZE NUISANCE TRIPS IN WELDING, VARIABLE FREQUENCY DRIVE AND OTHER 'ELECTRICALLY NOISY' APPLICATIONS
LET GO LINE VOLTAGE: 60% OF RATED
GROUNDED NEUTRAL DETECTION: 2 OHMS OR LESS (ON APPLICABLE MODELS ONLY)

GENERAL:
CONSTRUCTION:
TYPE: POWER-UP TYPE:
ENDURANCE: 5000 OPERATIONS MINIMUM AT RATED LOAD
OPEN NEUTRAL PROTECTION: TRIPS UPON LOSS OF NEUTRAL (ON APPLICABLE MODELS ONLY)
GROUNDED NEUTRAL PROTECTION: TRIPS IF GROUND AND NEUTRAL TOUCH AT LOAD SIDE (ON APPLICABLE MODELS ONLY)
POWER ON INDICATION: LIGHTED GREEN LED
POWER OFF INDICATION: BLINKING RED LED, PLUS OPTIONAL ANNUNCIATOR OF AC/DC OUTPUTS (ON APPLICABLE MODELS ONLY)
ENCLOSURE: NEMA 4X/P6
MOUNTING TYPE: PANEL, SURFACE AND PORTABLE
WIRING APPLICATION: 3,4,5 WIRE SINGLE, SPLIT, AND 3-PHASE
WIRING CONNECTIONS: PORTABLE (IN-LINE) AND PERMANENT (FIXED MOUNT) (SEE WIRING INSTRUCTIONS)
SWITCH INTERFACE: DOUBLE INSULATED
LATCHING MECHANISM: ELECTROMAGNETIC
FALSE TRIP DUE TO IMPACT: NONE
AGENCY APPROVAL: cULus, CSA, CSAus and cCSAus (UL.943 and CSA C22.2 No. 144) (277VAC non-UL.)

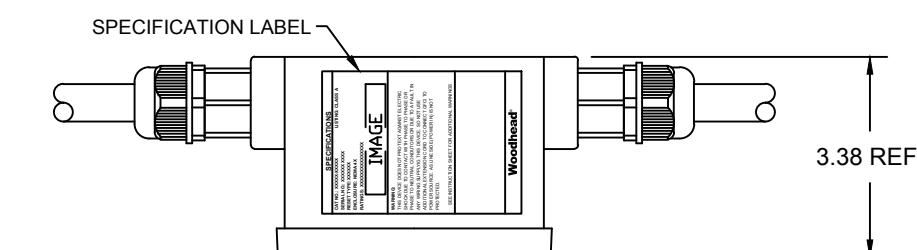


FIGURE 1

SPLIT PHASE (120 / 208 VOLTS, 120 / 240 VOLTS) (4-WIRE)

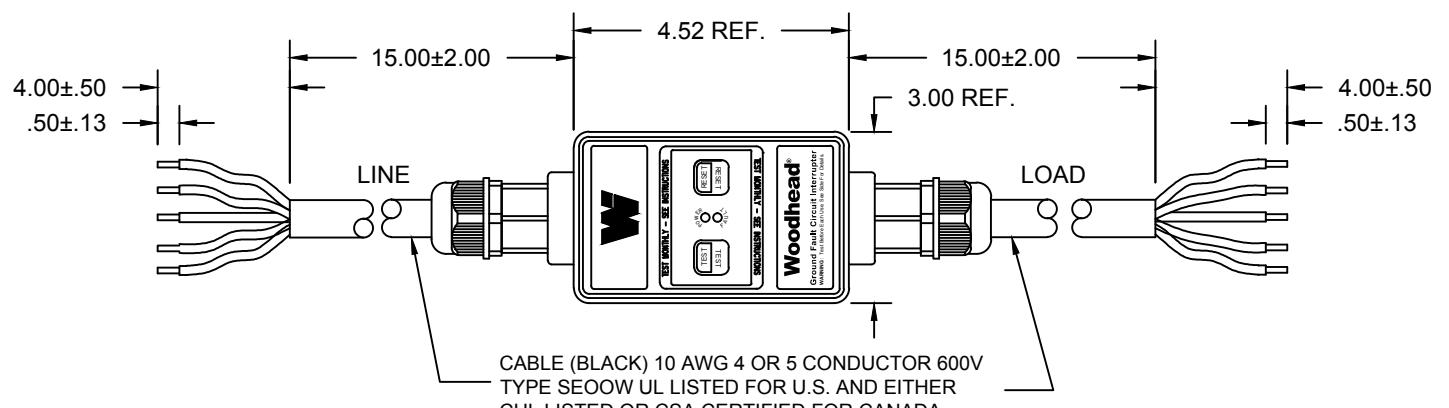
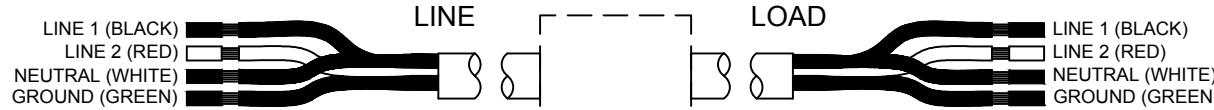


FIGURE 2

THREE PHASE (NO NEUTRAL) (208 / 240 VOLTS) (4-WIRE)

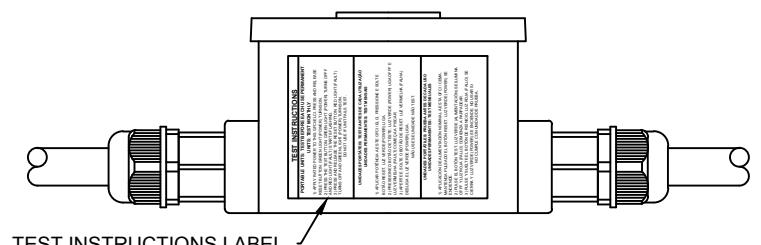
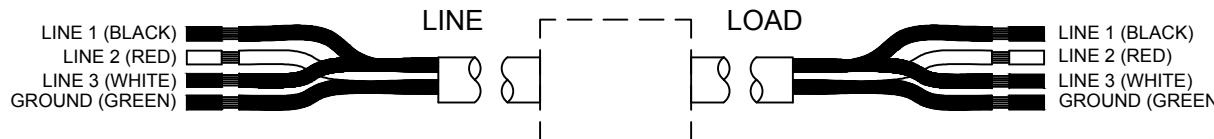
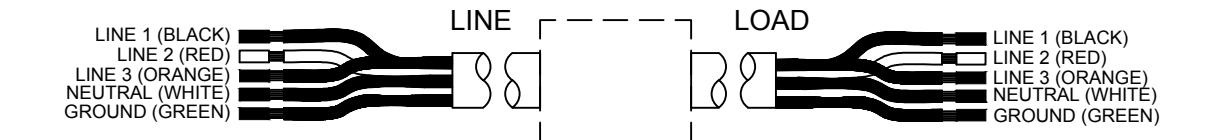


FIGURE 3

THREE PHASE (WITH NEUTRAL) (120 / 208 VOLTS) (5-WIRE)



RESET TYPE	MATERIAL NO.	ENGINEERING NO.	PHASE	FIGURE
MANUAL	1301530247	30053-0M6P	SPLIT PHASE	FIGURE 1
	1301530248	30053-0M3P	THREE PHASE	FIGURE 2
	1301530249	30053-0M2P	THREE PHASE	FIGURE 2
	1301530250	30053-0M5P	THREE PHASE W/ NEUTRAL	FIGURE 3
AUTOMATIC	1301530251	30053-0A6P	SPLIT PHASE	FIGURE 1
	1301530252	30053-0A3P	THREE PHASE	FIGURE 2
	1301530253	30053-0A2P	THREE PHASE	FIGURE 2
	1301530254	30053-0A5P	THREE PHASE W/ NEUTRAL	FIGURE 3

UPDATED SPECS	EC NO.	DRWN.	BARDEN	2014/04/14	CHKD: HKNEELAN	APPR: JFMURPHY	2014/04/30	2014/03/27	QUALITY SYMBOLS	GENERAL TOLERANCES (UNLESS SPECIFIED)		DRAWN BY	DATE	TITLE
										mm	INCH			
									▼=0	4 PLACES	±---	±---		
									▼=0	3 PLACES	±---	±.005		
									▼=0	2 PLACES	±0.13	±.010	HKNEELAN	2014/03/07
									▼=0	1 PLACE	±0.25	±.020	JFMURPHY	2014/03/27
									▼=0	ANGULAR ±.5°				
									▼=0	DRAFT WHERE APPLICABLE MUST REMAIN WITHIN DIMENSIONS		material no.	document no.	
									▼=0	SEE CHART		SD-130153-040	1 OF 1	
									▼=0	SIZE	B	THIS DRAWING CONTAINS INFORMATION THAT IS PROPRIETARY TO MOLEX INCORPORATED AND SHOULD NOT BE USED WITHOUT WRITTEN PERMISSION		

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