

NEMA FEATURES:

RED-FAILURE - Test by switching the RED output to the center (OFF) position on each used channel. Return the switch to the down (AUTO) position after each test.

CONFLICT / COMPATIBILITY - Test by switching ON a used GREEN and switching ON all the other used GREEN, YELLOW and WALK outputs one at a time. If the channels are incompatible, observe the conflict indication on the monitor. Reset the monitor after each conflict and repeat the test for each used channel.

CVM FAILURE - Test by depressing the CVM push-button and observe the failure indication on the monitor.

24-I 24-II FAILURE - Test by depressing the CVM push-button and observe the failure indication on the monitor.

NEMA ENHANCED OPTIONS:

MINIMUM CLEARANCE - Test by switching ON a used GREEN and then switching it to OFF. If MIN CLR is enabled, observe the failure indication on the monitor.

WATCHDOG FAILURE - Test by depressing and holding the WDOG push-button. If WATCHDOG is enabled, observe the failure indication on the monitor.

G or W vs YELLOW - Test by switching ON a used YELLOW output and a GREEN or WALK on the same channel. If G or W vs YELLOW is enabled, observe the failure indication on the monitor.

G, W or Y vs RED - Test by switching a used RED channel ON (up position) and a GREEN, WALK, or YELLOW on the same channel, if G, W or Y vs RED is enabled, observe the failure indication on the monitor.

REAR PANEL:

- MSA receptacle provides input connections for AC+, AC Common, Earth Ground and outputs for +24VDC, Phase 1 and Phase 2 outputs.
- MSB receptacle provides output connections for Phase 3, Phase 4 and Overlap outputs.
- MSC receptacle provides output connections for Phase 5, Phase 6, Phase 7 and Phase 8 outputs.
- Banana Jack is for connecting to Remote Monitor Reset on the Backpanel in the cabinet.



LED INDICATES THE PRESENCE OF +24VDC.

The tester case is grounded. AC input and +24VDC output are fused. Short circuit protection is provided on the +24VDC and F.L.O. circuits.

TOGGLE SWITCHES:

- The top row (RED outputs) are three-position (AUTO - OFF - ON). In the AUTO position the Red indication will extinguish when Green or Yellow is switched to test.
- The second row (YELLOW outputs) are two-position (OFF - ON).
- The third row (GREEN outputs) are two-position (OFF - ON).
- The fourth row (PED outputs) are two-position (D.W. - WALK).

TYPICAL NEMA 8-PHASE TEST PROCEDURE:

Toggle all the switches to the down position. Hook up the MS connectors and the Remote Monitor Reset clip lead. The signal indications on the street will be ALL-RED. Starting on the left, turn on Ø1 GREEN. Turn on Ø2 WALK. The MONITOR will indicate CONFLICT and punch out. Turn off Ø2 WALK and press MONITOR RESET button. Turn on Ø2 GREEN. The MONITOR will indicate CONFLICT and punch out. Turn off Ø2 GREEN and press the MONITOR RESET button. Turn on Ø2 YELLOW. The MONITOR will indicate CONFLICT and punch out. Turn off Ø2 YELLOW and press the MONITOR RESET button. Continue testing all other phases against Ø1 GREEN in this manner. Then turn off Ø1 GREEN and turn on Ø1 YELLOW and repeat all the tests as above. Compatible phases (such as 1+5 or 1+6) will not cause the MONITOR to punch out. Then turn on Ø2 WALK, Ø2 GREEN, and so on, until all W,G and Y indications have been tested against all other W,G and Y. As you proceed to the right, the indications to the left have already been tested so the procedure gets shorter. Example: Ø1 will be tested against Ø2,Ø3,Ø4,Ø5,Ø6,Ø7, and Ø8 indications. However, Ø6 only needs to be tested against Ø7 and Ø8. Remember to test the OVERLAPS if they are used.

PUSH-BUTTON SWITCHES:

- CVM
- 24VDC
- WDOG
- MONITOR RESET

NOTE: Be sure to have someone directing traffic!