

Zone-Selective Interlocking Test

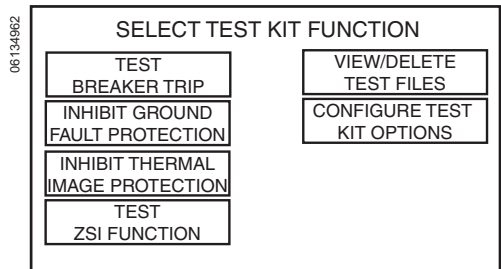
This test verifies field wiring between multiple circuit breakers connected in a Zone-Selective Interlocking (ZSI) system (see Table 2). While connected to a downstream trip unit, Full-Function Test Kit causes trip unit to transmit a ZSI test signal to all connected upstream trip units.

NOTE: Trip units on upstream circuit breakers must support ZSI.

NOTE: Advanced protection and alarms in Micrologic P and H trip units will be disabled. Refer to trip unit instruction bulletin for advanced protection features.

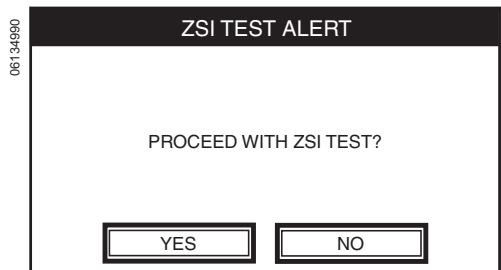
NOTE: If test cable is removed from test port on a communicating Micrologic trip unit without properly exiting ZSI test, advanced protection, activation of alarms and logging of events may be disabled for up to two minutes after cable has been removed. Circuit breaker may also be ZSI restrained for up to two minutes for equipment ground-fault and short-time protection.

Figure 40: Select Test Kit Function Screen



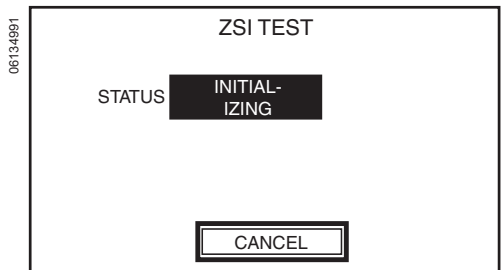
1. Press TEST ZSI FUNCTION on Select Test Kit Functions screen.

Figure 41: ZSI Test Alert Screen



2. Read alert message and press YES to initiate ZSI test.

Figure 42: ZSI Test Initializing Screen



3. The STATUS display on ZSI Test screen will flash INITIALIZING.

Figure 43: ZSI Test Testing Enabled Screen

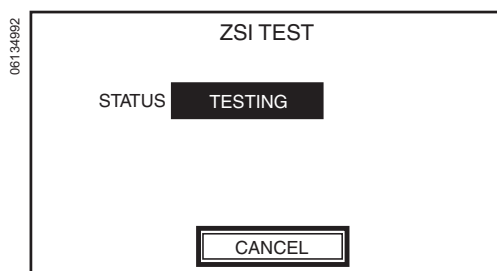


Figure 44: ZSI Test Stopping Screen

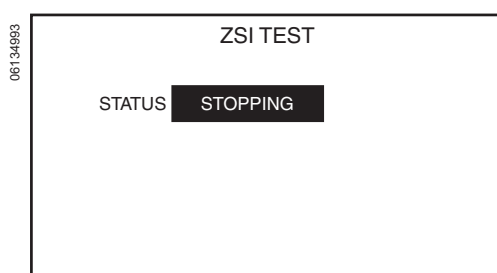
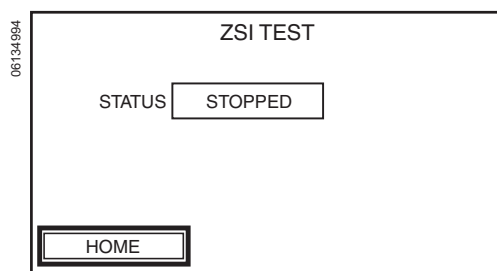


Figure 45: ZSI Test Testing Stopped Screen



4. While STATUS display flashes TESTING, ZSI test is in progress. Check that Isd/li and/or Ig trip indicator LEDs are flashing on upstream circuit breakers. A second Full-Function Test Kit or a Hand-held Test Kit can be used to power upstream trip unit(s), if necessary.
 - If ground-fault protection only is configured for ZSI, Ig trip indicator LED will flash.
 - If short-time protection only is configured for ZSI, Isd/li trip indicator LED will flash.
 - If both ground-fault and short-time protection are configured for ZSI, both Ig and Isd/li trip indicator LEDs will flash.
5. Press CANCEL to terminate ZSI test.
6. STATUS display will flash STOPPING to indicate Full-Function Test Kit is exiting test mode.

7. Once STOPPED appears in STATUS display, ZSI test is complete.