



IMPORTANT!

Please read all the information on this sheet.
SAVE THESE INSTRUCTIONS!

NOTICE

BEFORE USING READ INSTRUCTIONS COMPLETELY. TO BE INSTALLED BY A QUALIFIED ELECTRICIAN IN ACCORDANCE WITH NATIONAL AND LOCAL ELECTRICAL CODES AND THESE INSTRUCTIONS.

CAUTION!

RISK OF ELECTRIC SHOCK, BURN, OR EXPLOSION. DISCONNECT POWER BEFORE INSTALLING. NEVER WIRE ENERGIZED ELECTRICAL COMPONENTS. FAILURE TO DO SO MAY CAUSE SEVERE SHOCK, PERSONAL INJURY, OR DEATH.

WARNING!

- Ground Fault Circuit Interrupter (GFCI) is a safety device under normal use and is not intended to promote activity of elevated risk.
- Do not use this GFCI if it fails to function as instructed. Never attempt to tamper with this device.
- This GFCI should never be used as a switch to connect or disconnect power. (Power should be disconnected at main power feed or by a secondary switch located at the primary feed of GFCI.)

CAUTION!

- Do not use this device to feed power to Life Support apparatus.
- To minimize nuisance tripping: do not use this device on swimming pool equipment installed prior to 1965 NEC code, limit load cable to 250 feet and do not use on electric dryers and ranges with frames grounded by Neutral conductor.

NOTICE

- A GFCI is a device designed to interrupt power when a ground fault exceeds a predetermined value. The interruption of power is fast in order to prevent injuries. The human body is conductive to electricity. Any electrical apparatus is a potential shock hazard when used near wet locations.
- The GFCI constantly monitors the current balance of the conductors supplying power to the load. When a ground fault occurs, by leakage or by shock, the imbalance of current is sensed and the GFCI trips when the ground fault exceeds 0.006 Amps. Consult NSS about module ELCIs with higher trip thresholds and/or other voltages. ELCIs follow same wiring instructions as GFCIs.

WARNING!

A GFCI CANNOT DO THE FOLLOWING:

- Will not protect line side
- Will not protect you when touching two current carrying conductors of opposite polarity (GFCI recognizes this as a load)
- Will not protect you when touching a line of another circuit
- Will not detect or interrupt overcurrent

NORTH SHORE SAFETY'S TWO-YEAR LIMITED MANUFACTURER'S WARRANTY

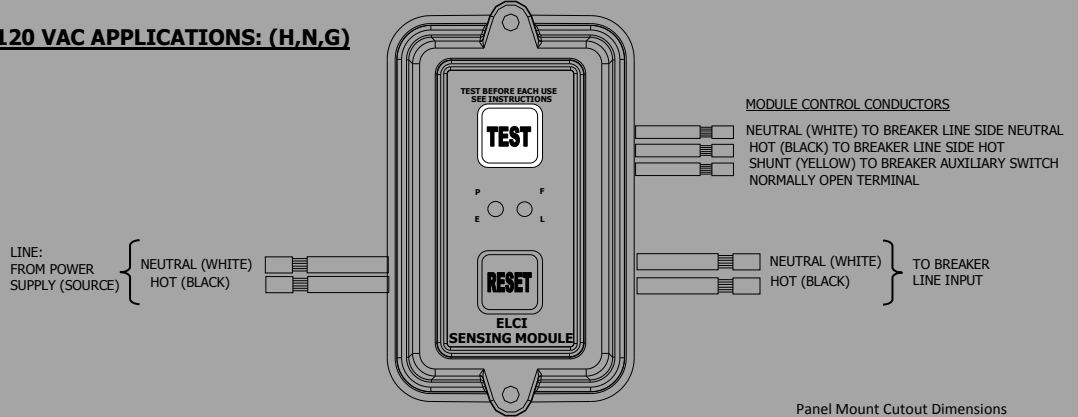
North Shore Safety warrants to the consumer its offering of LineGard Ground Fault Circuit Interrupters (GFCIs) to be free from defects in materials and workmanship under normal use and service for a period of two years from the manufacture date. North Shore Safety, at its option will repair or replace the defective GFCIs without charge within a two year period from the date of manufacture, provided that the defect occurred during normal use and was installed according to all published instructions. All returns must be authorized by a North Shore Safety representative. In the event of product failure please contact a North Shore Safety representative at 1-440-205-9188 to obtain a Return Goods Authorization Number (RGA) prior to returning any product to North Shore Safety. North Shore Safety will refuse any item if prior Return Goods Authorization has not been granted. Defective units must be returned prepaid freight, with a description of the problem, and with an attached RGA number referenced to the Quality Assurance Dept., North Shore Safety, Ltd., 7335 Production Drive, Mentor, OH 44060. Determination of Warranty compliance is solely at the discretion of North Shore Safety and North Shore Safety's disposition is final.

Disclaimer

North Shore Safety will not be liable, directly or indirectly, for any cost whatsoever associated with installation or removal of any device, or for any personal injury, property damages, or incidental, indirect, or consequential damages of any kind whatsoever as a result of any defective device. The exclusive remedy under this Warranty is the repair or replacement of the defective device. In no case shall North Shore Safety's liability exceed the net purchase price. This Warranty is void if the device is not properly installed, tampered with, opened, abused, or not used according to label instructions and ratings, and/or published specifications.

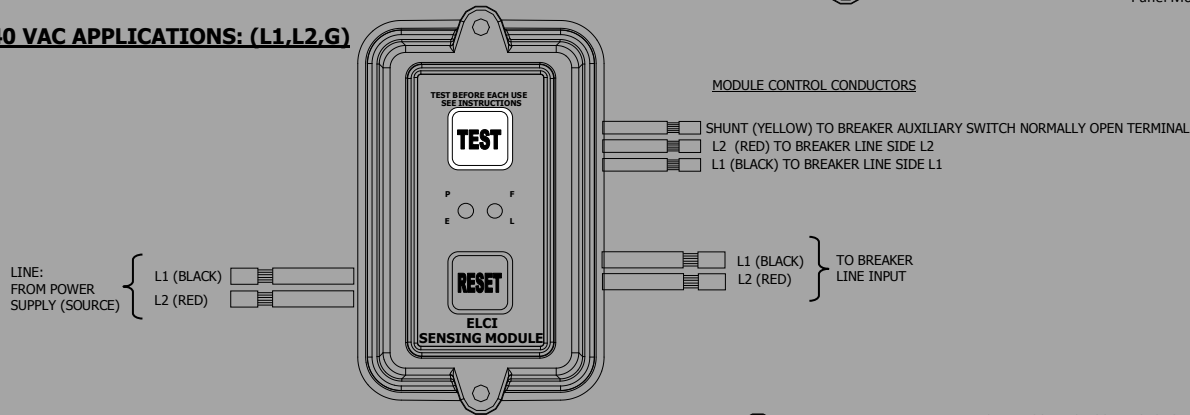
DANGER: HAZARD OF ELECTRICAL SHOCK, BURN, OR EXPLOSION. Disconnect power at main power feed before you start the installation. Failure to do so may cause severe shock, personal injury or death.

120 VAC APPLICATIONS: (H,N,G)

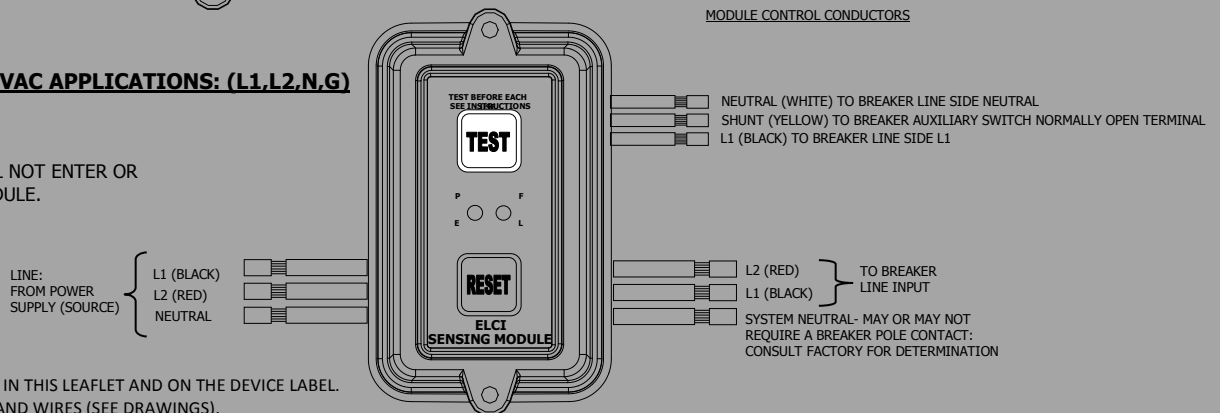


Panel Mount Cutout Dimensions

240 VAC APPLICATIONS: (L1,L2,G)



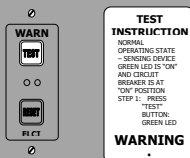
120/240 VAC APPLICATIONS: (L1,L2,N,G)



NOTE: GROUND WIRE SHALL NOT ENTER OR EXIT THE ELCI SENSING MODULE.

IMPORTANT!

1. READ ALL THE INSTRUCTIONS IN THIS LEAFLET AND ON THE DEVICE LABEL.
2. IDENTIFY ALL THE FEATURES AND WIRES (SEE DRAWINGS).
3. IDENTIFY MODULE WIRES.
4. VERIFY THAT THE RATINGS ON THE DEVICE INCLUDING BREAKER MATCH YOUR FIELD LINE RATINGS.
5. STRIP WIRES TO 3/8", OR AS RECOMMENDED FOR YOUR CONNECTIONS (MODULE MAY INCLUDE FIELD TERMINATIONS).
6. CHOOSE THE RIGHT WIRING APPLICATION (120VAC, 240VAC USA, 240VAC EUROPE OR SPLIT PHASE 120/240VAC) AND CONNECT WIRES ACCORDING TO THE DRAWINGS.
7. PLACE SUPPLIED TEST INSTRUCTION LABEL IN CLOSE PROXIMITY TO THE GROUND FAULT SENSING MODULE MOUNTING AS SHOWN BELOW:



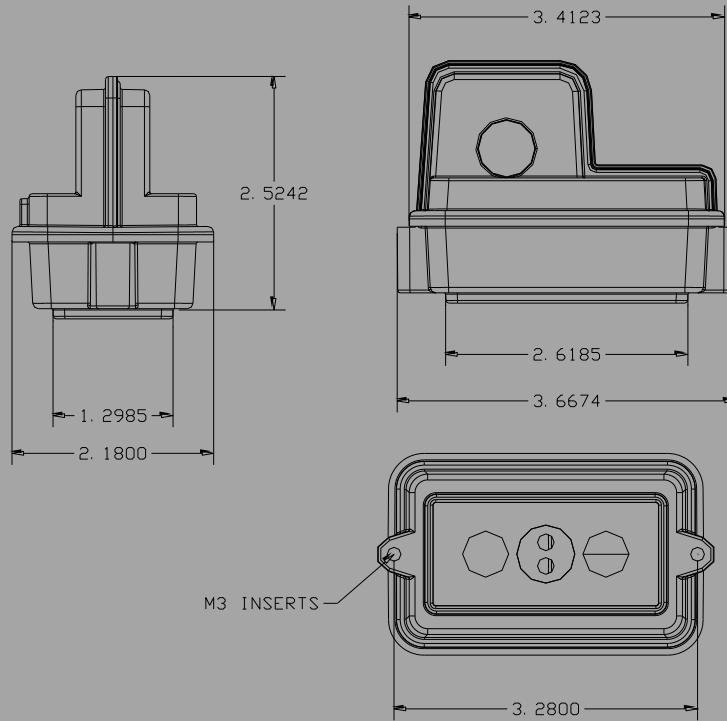
TESTING AND TROUBLESHOOTING

NORMAL OPERATING STATE – SENSING DEVICE GREEN LED IS “ON” AND CIRCUIT BREAKER IS AT “ON” POSITION.

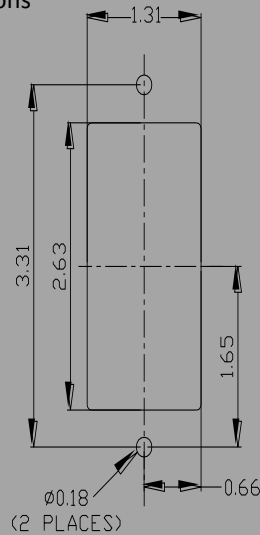
- STEP 1: PRESS “TEST” BUTTON: GREEN LED SHOULD GO “OUT” AND RED LED SHOULD START “BLINKING”. CIRCUIT BREAKER SHOULD TRIGGER TO “OFF” POSITION.
- STEP 2: IF SENSING DEVICE LED OR BREAKER DOES NOT TRIP OR CHANGE STATE: “DO NOT USE” CONSULT AN ELECTRICIAN FOR ASSISTANCE OR REPLACEMENT.
- STEP 3: PRESS “RESET” BUTTON: RED LED SHOULD TURN “OFF” AND GREEN LED SHOULD TURN ON.
- STEP 4: MANUALLY RESET (SWITCH) CIRCUIT BREAKER TO “ON” POSITION TO RESTORE CIRCUIT POWER.

WARNING: IF ABOVE TESTS FAILS, DO NOT USE THIS GFCI. CONSULT AN ELECTRICIAN FOR ASSISTANCE OR REPLACEMENT.

GFCI SENSING MODULE DIMENSIONS

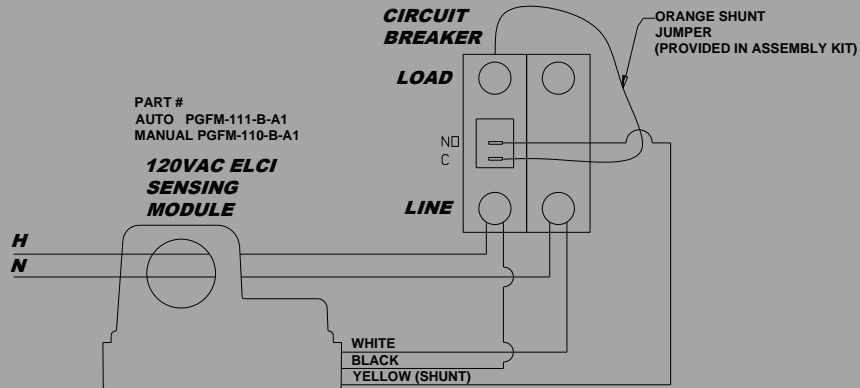


Panel Mount Cutout Dimensions



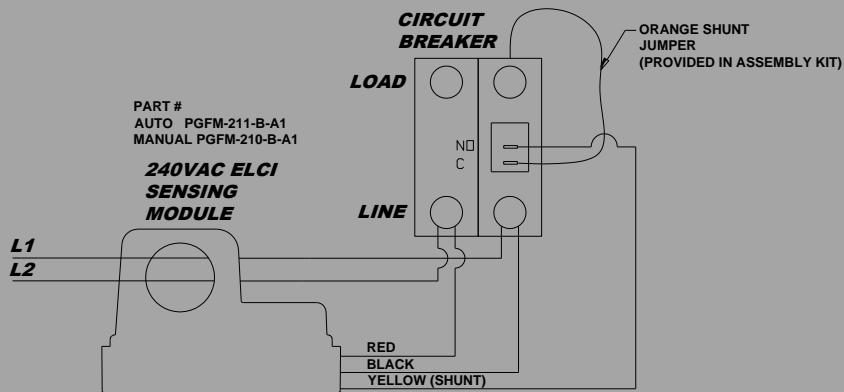
NOTE: Dimensional drawings are not to scale.

TYPICAL WIRING DEVICE



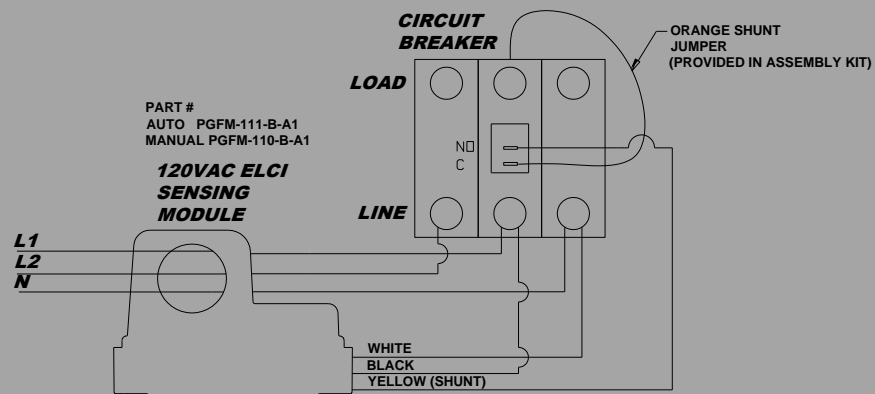
SINGLE PHASE 120VAC (HOT, NEUTRAL, GRND)

GRND



SINGLE PHASE 240VAC (L1, L2, GRND)

GRND



SPLIT PHASE 120/240VAC BREAKING NEUTRAL (L1, L2, N, GRND)

GRND

NOTES:

- 1) CIRCUIT BREAKER LINE/LOAD MAY BE AT OPPOSITE ENDS.
- 2) L1 (BLACK WIRE) SHALL ALWAYS BE CONNECTED TO THE SAME POLE AS THE SHUNT COIL & AUXILIARY SWITCH.
- 3) SAFETY GROUND IS NOT FED THROUGH SENSING CORE BUT BYPASSED TO EQUIPMENT GROUNDING POINT.