READ AND FOLLOW ALL SAFETY INSTRUCTIONS!
SAVE THESE INSTRUCTIONS AND DELIVER TO OWNER AFTER INSTALLATION

IMPORTANT SAFETY INSTRUCTIONS

All servicing should be performed by qualified service personnel.

When using electrical equipment, basic safety precautions should always be followed including the following:

READ AND FOLLOW ALL SAFETY INSTRUCTIONS.
Do not use outdoors.
Do not mount near gas or electric heaters.
Equipment should be mounted in locations and at heights where it will not readily be subjected to tampering by unauthorized personnel.
The use of accessory equipment not recommended by the manufacturer may cause an unsafe condition.
Do not use this equipment for other than intended use.
SAVE THESE INSTRUCTIONS.

Remove internal assembly prior to drilling/punching additional or larger holes for conduits, and remove excess metal shavings and contaminants prior to powering the panel

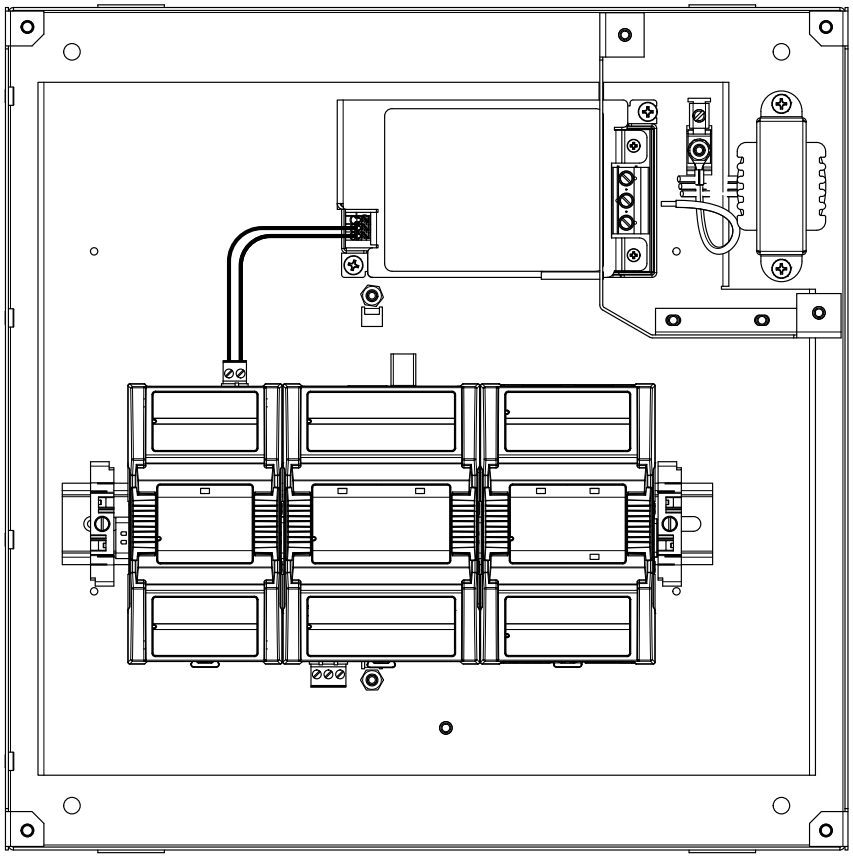
Acuity Controls assumes no responsibility for claims arising out of improper or careless installation or handling of this product. Failure to follow any of these instructions could void product warranty.
For a complete listing of product Terms and Conditions, please visit www.AcuityControls.com

Always read complete installation instructions prior to installation!

SAVE THESE INSTRUCTIONS

ENCLOSURE MOUNTING INSTRUCTIONS

SURFACE MOUNT ENCLOSURE WITH SCREW COVER



TO REMOVE RELAY PANEL COVER:

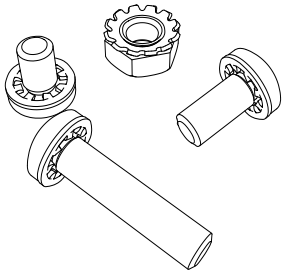
1) UNFASTEN FOUR PHILLIPS SCREWS AT CORNERS OF COVER

2) REMOVE COVER FROM RIGHT EDGE AND ENGAGEMENT FEATURES ON LEFT SIDE WILL RELEASE

TO INSTALL THE PANEL COVER:

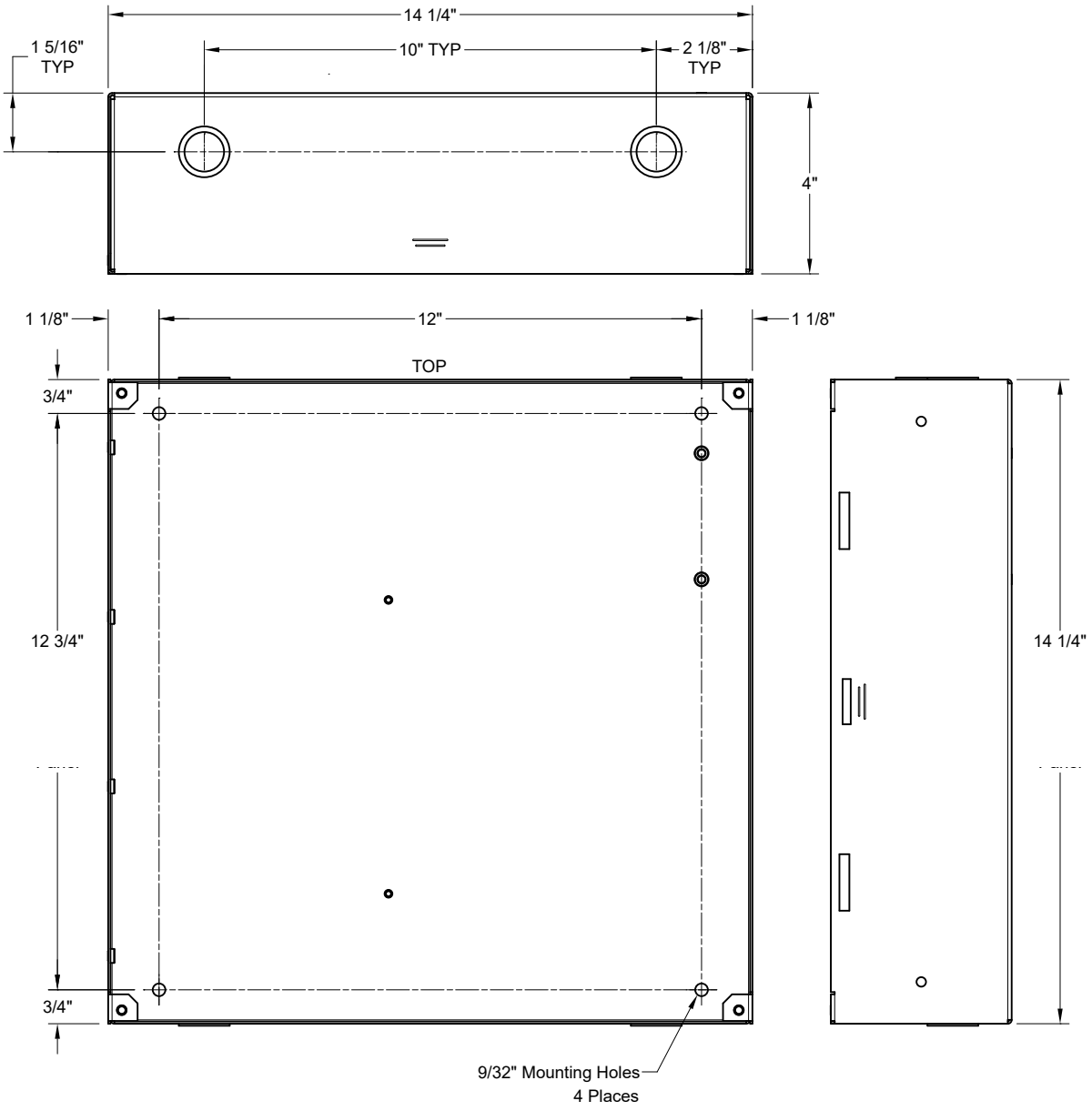
1) HOOK IN THE ENGAGEMENT FEATURES ON THE LEFT FROM THE OUTSIDE

2) FASTEN THE FOUR PHILLIPS SCREWS AT THE CORNERS OF THE COVER



Note: If cover hardware is misplaced, utilize screws and lockwashers with paint-piercing features. Enclosure utilizes "SEMS" and "KEPS" fasteners with integrated toothed lock washers for paint piercing to ensure proper bonding of painted enclosure parts.

SURFACE MOUNT ENCLOSURE MOUNTING AND KNOCKOUT DIMENSIONS



BOX DIMENSIONS & INSTALLATION APPLICATION NOTES

The NECY enclosure was designed with minimal knockouts to provide installers the freedom to add additional conduit feeds to better meet specific site conditions without locking them into confined positions or preset trade size fittings.

The dimensions provided are for reference only. Verify all clearances with the actual panel and its components in place prior to performing any added punch-out work. Note: For Canadian configured devices with step-down transformers (for 347V), added conduit feed access is more constricted as shown by the added step-down transformer.

WIRING INSTRUCTIONS

DE-ENERGIZE THE PANEL BEFORE MAKING ANY WIRING CONNECTIONS.

DO NOT DISCARD THESE INSTALLATION INSTRUCTIONS. PLEASE KEEP FOR FUTURE REFERENCE AND OPERATION INFORMATION.

NOTE: Make certain that high voltage and low voltage wiring enters the enclosure separately.

High Voltage wiring should be brought into the upper-right section of the enclosure, inside the high-voltage compartment.

Low Voltage wire should enter in the low voltage wiring areas of the enclosure.

Failure to separate high voltage from low voltage wiring may cause electrical interference.

HIGH VOLTAGE CONNECTIONS

- Always de energize panel before wiring.
- Use only at the listed voltage per panel specs
- All installation service must be performed by qualified personnel.

WIRING THE POWER SUPPLY

- The Acuity Relay Panel is factory configured with a 120-277V 50W switching power supply (MVOLT) , and optionally can be supplied with a 347V to 277V step-down transformer (CNDV).

  a) The green power supply input terminal block receives the line voltage feed wires, 120-277VAC, Neutral, Ground

- Connect wires to the power supply. You must provide a dedicated circuit with circuit protection for the power supply. Earth ground must be connected to the lug labeled "FOR EQUIPMENT GROUNDING ONLY," located in the high voltage compartment
- It is recommended that all low voltage wiring be done with power removed from the system, to protect from potential shorts during the wiring process.
- All low voltage wiring must be run in separate conduit from line voltage wiring. DO NOT MIX CLASS 1 AND CLASS 2 CIRCUITS IN THE SAME CONDUIT
- Test all low voltage wiring for shorts to AC ground before connection to the controller.

APPLYING POWER

- Once the wiring is complete, make certain that the enclosure is clean of any wire clippings and that no fragments are present.
- Ensure that there are no loose wires or exposed wires that could short to other wires or components.
- Power up the unit from the circuit breaker.

nLIGHT ECLYPSE WIRING DIAGRAM