

Gen/Switch™ and Pro/Tran® Surface Mount Models Instructions for Replacing Individual Circuit Breakers

WARNING: Be sure the power from both the panel where the transfer switch is connected and the generator is turned off before starting this procedure. Failure to do so could result in serious injury or death.

WARNING: Breaker installer should be a qualified electrician.

1. For the Gen/Switch™ Models (20216, 30216 and 30310), remove the two screws from the top front of the unit and the four on the bottom of the unit. For the Pro/Tran® Models (31406, 30408 and 31410), remove the wiring compartment cover and the two screws from the top of the unit.
2. For the Gen/Switch™ Models (20216, 30216 and 30310), pull the front plate straight forward until it clears the cabinet and tilt forward so the back of the front plate is accessible. For the Pro/Tran® Models (31406, 30408 and 31410), tilt the plate forward until the slot in the bottom clears the hook in the cabinet and then pull forward.
3. Disconnect the wires from the breaker by grabbing the metal connector on the end of the wire and pulling straight out from the back of the breaker. Do this for each of the two connections to the breaker. Note where each was connected. This will be needed for step 6. **Warning: Do not pull on the wire itself as this may loosen the connection between the wire and the connector.**
4. If retaining rings were installed to hold individual breakers in place, push back and forth on the long end of the breaker until the ring separates slightly from the back of the front plate. Insert the blade of a screwdriver under the ring and pry upwards until there is enough space to insert a wire cutter around the edge of the ring. Cut the ring and remove the ring and the breaker.
If the breaker is retained by a nut under a plastic cap on the front of the unit, unscrew the plastic cap and the nut to remove the breaker. Remove washer from the threaded portion of the breaker and install on the replacement breaker.
5. Insert the replacement breaker in the opening. Secure either with the new retaining clip supplied with the replacement breaker or with the nut and plastic cover removed when the old breaker was removed.
6. Reconnect all the wires as they were connected on the original breaker. Make sure there is some resistance felt when sliding the connectors on to the terminals. If little or no resistance is felt, disconnect and **slightly** decrease the gap in the connector where the terminal from the breaker slides in. This usually can be done with a pliers. Repeat if necessary until a tight connection is made. **Warning: Failure to make a tight connection could result in overheating and a subsequent electrical fire.**
7. Slide the front plate back in the cabinet and replace the screws that were removed in step 1 above. For Pro/Tran® Models, replace wiring compartment cover that was also removed in step 1.
8. Turn power on that was shut off for installation.



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