

SGP Series Circuit Breakers

Concern / Question:

“Why is there an IN and OUT?”

“Can I connect power to the OUT side?”

“What will happen if you reverse the inputs?”



The SGP Series Circuit Breakers have an IN and OUT for added safety when the circuit breaker is “tripped” or manually shut off.

When using the IN for power input, when the circuit breaker is off, power only goes to one side of the contact point which is inset in the base and covered by a plastic barrier that is attached to the Reset Arm. FIG A

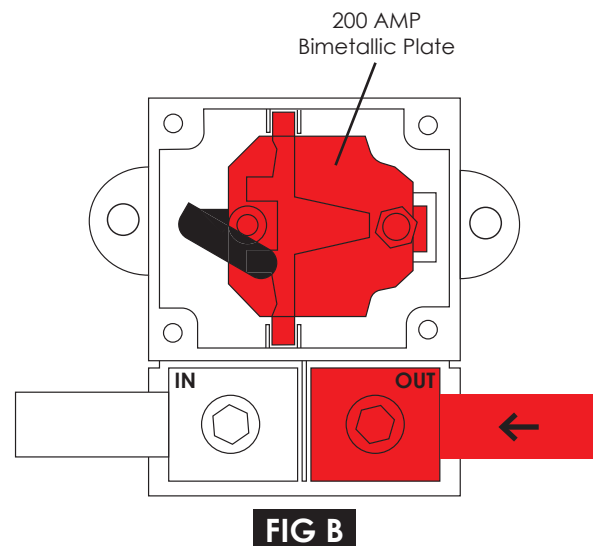
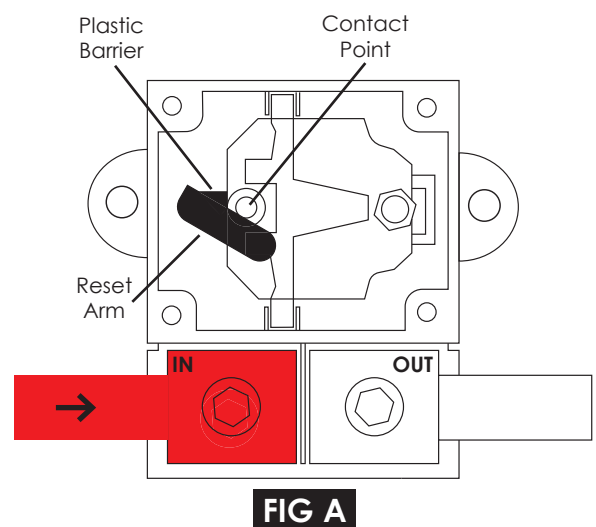
If you connect power to the OUT terminal, which is permanently attached to the other end of the bimetal strip, even when off, power will be distributed throughout the circuit and internal components. FIG B

In addition to making the breaker safer, having the power input and output clearly marked can be helpful when trying to diagnose problems.

Reversing IN and OUT is not recommended.

About the Diagrams

Both circuit breakers are in the OFF position. Arrow shows direction of current flow. RED indicates areas that have power.



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