



For Square D
NW Breakers

Product Data NW-20



Made in USA / U.S. Patent No. 7,623,011

The NW-20 actuator is designed to operate the OPEN and CLOSE buttons on Square D Type NW breakers.

The NW-20 actuator is temporarily installed over the breaker's OPEN and CLOSE buttons and held in place with strong neodymium magnets (no modification to your switch is required). A hand-held controller, connected by a control cable to the actuator, allows the operator to be positioned outside the Arc Flash Hazard Boundary. Linear actuators in the actuator will press the OPEN and CLOSE buttons as commanded by the hand-held controller. A microcontroller monitors controller inputs and drives the actuators through intelligent H-bridges. The entire unit is battery powered (12VDC) which eliminates the need for external power.

What do you get?

Included when purchasing the NW-20 is the actuator, hand-held controller, 30-foot cable, batteries, instruction manual, and Pelican carrying case.

What types of NW breakers does the NW-20 work on?

The NW-20 works on most NW breakers that have sufficient space on the sides of the breaker for the actuator magnets. See reverse side for clearance requirements.

Breaker manufacturers may provide options on their breakers that are not well documented. In some cases, these options can interfere with the installation or operation of the Chicken Switch actuator. Prior to purchasing a Chicken Switch actuator, it is highly recommended that the customer contact us so that we can assist in determining full compatibility with your breaker.

Can I charge the breaker with the manual charging handle on the breaker with the NW-20 actuator installed?

No, the breaker must be charged prior to installing the actuator.

NW-20 Options

Control Cable

A 30-foot cable ships standard with the unit. A 50-foot cable is available as an option.

(Note: customer is responsible for determining cable length needed)

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Technical Specifications

- Power Supply: 8 - AA alkaline disposable batteries (12VDC total). Fresh batteries will provide hundreds of operations.
- Fuse: 3 amp, quick-blow, AGC-3
- Control Cable: 5-conductor, extra-flexible, PUR insulation, 30-feet (standard), 50-feet (optional)
- Controller: requires two-hand operation. The "Enable" button must be depressed while depressing the OPEN or CLOSE button.
- Alignment foot on actuator engages breaker opening below the charging handle to assure proper alignment of actuator.
- A programmable microcontroller manages control inputs, motor functions, and performs timing functions to protect the motor in a stalled condition.
- Intelligent H-bridge motor drivers provide start/stop/braking functions. The H-bridges have integral thermal shutdown protection.
- Projected life: 15,000 operations

Dimensional Footprint



Picture A - NW-20 shown installed on breaker

Figure B - Footprint required for NW-20

Dark Gray areas indicate the footprint of where the NW-20 will contact the breaker and the switchgear door. This area must be clear of debris and lamacoid labels.

