



For Siemens / Allis Chalmers  
SB Series Breakers

## Product Data SBH-2



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

The SBH-2 actuator is designed to operate the OPEN and CLOSE buttons on the Siemens and Allis Chalmers SB Series breakers.

A hand-held controller, connected by a control cable to the actuator, allows the operator to be positioned outside the Arc Flash Hazard Boundary. Motor-driven linear actuators in the SBH-2 extend smoothly to press the OPEN and CLOSE buttons on the breaker. A microcontroller drives the linear actuators through intelligent H-bridges. The entire unit is battery powered (12VDC) which eliminates the need for external power.

The SBH-2 actuator installs easily over the SB Series breakers by aligning the frame over the face of the breaker thus ensuring that the actuator plungers are aligned directly over the breakers pushbuttons. Two magnets on the actuator hold it in place over the breaker by attaching on the cabinet door above and below the breaker. These magnets are easily engaged and dis-engaged using levers that allow the magnets to be moved against or away from the steel cabinet door. When not in use, the SBH-2 actuator and all its accessories are stored in the included heavy duty Pelican carrying case.

### What do you get?

Included when purchasing the SBH-2 is the actuator, hand-held controller, 30-foot cable, batteries, instruction manual, and a Pelican carrying case.

### What types of SB Series breakers does the SBH-2 work on?

The SBH-2 works on most SB Series breakers that have the appropriate amount of space above and below 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 SBH2 actuator installed?

No, the breaker must be charged prior to installing the SBH-2 actuator.

### SBH-2 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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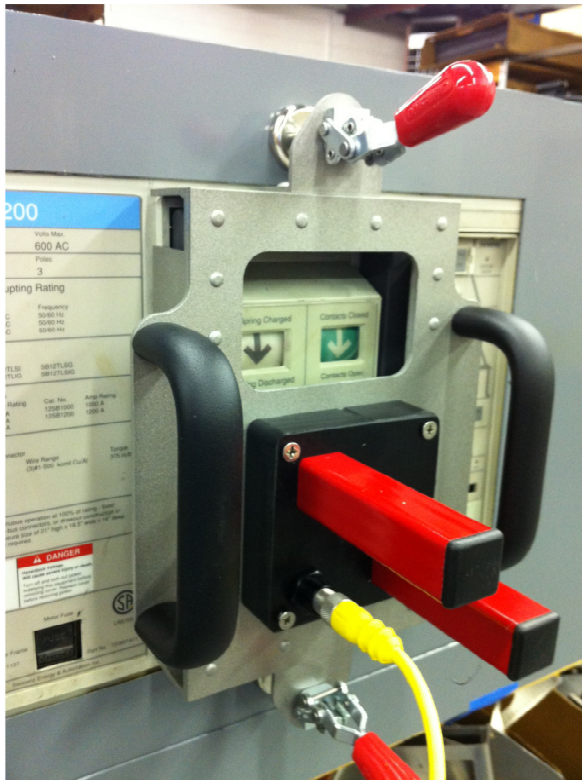
p (304) 965-9220  
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www.chickenswitch.com (800) 248-4958

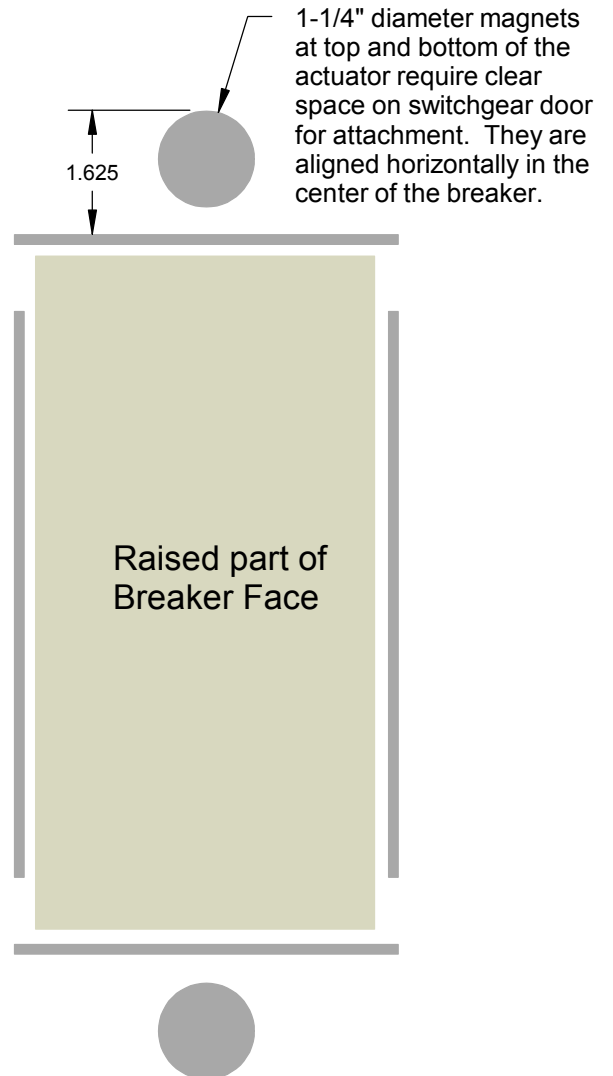
## Technical Specifications

- 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.
- Magnets: two 1-1/4" diameter neodymium
- 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-bridge's have integral thermal shutdown protection.
- Projected life: 15,000 operations

## Dimensional Footprint



Picture A - SBH-2 shown installed on breaker



**Figure B - Footprint required for SBH-2**  
Gray areas indicate the footprint of where the SBH-2 will contact the switchgear door. This area must be clear of debris and lamacoid labels.