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CS Series

Remote Control Switch
Operators

for:
**Various Models of
Control Switches
with Pistol-Grip
Handles.**

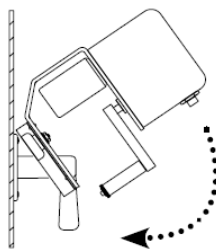
Take Safety Further.

The CS Series of actuators are a portable device designed to remotely operate control switches with pistol-grip style handles. Several models are available depending on the type of control switch being operated.

The CS Series of actuators are temporarily installed over your control switch and held in place magnetically. No modification to your switch gear is required. A hand-held controller, connected by a cable to the actuator allows the operator to be positioned outside of the Arc Flash Hazard Zone. A motor and gearbox in the actuator rotates the control switch on command from the hand-held controller. A microcontroller monitors controller inputs, assures correct switch positioning, and drives the motor through an intelligent H-bridge. The entire unit is battery powered (24VDC) which eliminates the need for external power.

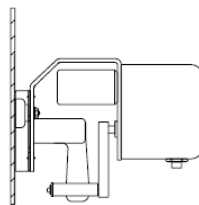
Three Easy Steps Installs in Seconds

**No external power is
needed and no
modifications to
your switchgear is
required.**

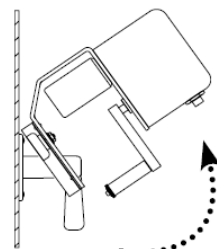


Step 1 Install

Step 2 Operate



Step 3 Remove



What do you get?

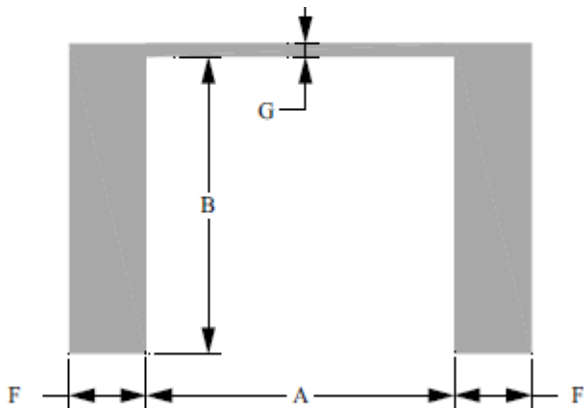
All models include the actuator, 30' control cable, hand-held controller, batteries, a durable/waterproof Pelican-brand carrying case, and instruction manual. An optional 50' control cable is available for all models. Customers are responsible for determining the required cable length.

MARTEK

Arc Flash Safety

Technical Specifications

- Power Supply: 16 - AA alkaline disposable batteries (24VDC total). Good for approximately 700 operations
- Fuse: 5 amp, quick-blow, AGC-5
- Control Cable: 5-conductor, extra-flexible, PUR insulation, 30-feet (standard), 50-feet (optional)
- Typical Operating Time is 0.3 seconds for 45 degrees of rotation
- Torque = 55 inch-lbs (except CS05 which is 30 inch-lbs)
- Gearmotor: All metal gears in a formed metallic housing. DC brushed, permanent magnet motor with .375 inch diameter shaft
- Some models have two user selectable levels of rotation (of the actuator)
- A programmable microcontroller manages control inputs, motor functions, monitors and limits mechanical travel and performs timing functions to protect the motor in a stalled condition
- An intelligent 'H-bridge' motor driver provides start/stop/braking motor functions. The H-bridge has integral thermal shutdown protection.
- Controller: Requires two-hand operation. The 'enable' button must be depressed while rotating the controller selector switch.
- Projected Life: 20,000 operations



Control Switch Models

	A	B	F	G	Maximum Control Switch Eschutcheon thickness	Max Control Switch Handle width	# Magnets	Magnet Strength (gauss)	Selectable Rotation?
CS01	3.1"	2.8"	0.75"	0.20"	0.80"	0.86"	4	13200	Yes
CS03	3.7"	3.38"	0.75"	0.20"	0.80"	0.86"	4	13200	Yes
CS04	2.7"	3.38"	0.75"	0.10"	0.60"	0.86"	4	13200	No
CS05	1.92"	1.93"	0.5"	0.10"	0.38"	0.50"	6	6929	No
CS06	2.6"	2.68"	1.35"	0.10"	0.38"	0.45"	2	12600	No



Made in the U.S.A.



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