

DESCRIPTION

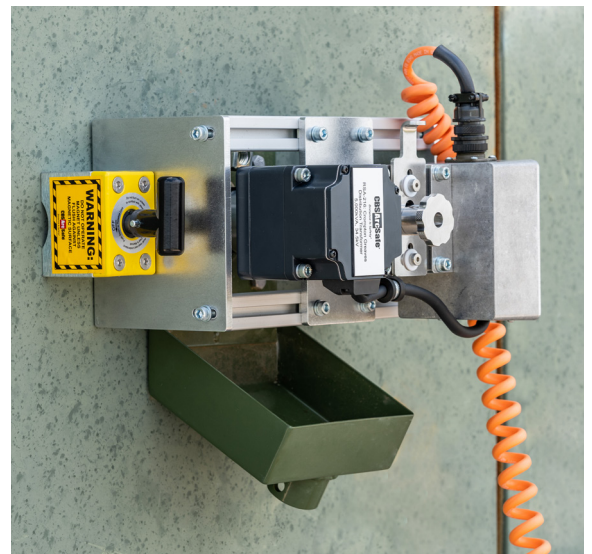
The CBS ArcSafe® **RSK-PMT** with **CDS** kit is a remote switch kit (RSK) for pad-mount transformer (PMT) applications that includes a closed-door-switching (CDS) modification to perform remote operations without the need to open PMT doors for switching tasks.

Remote switching mechanisms provide arc-flash safety when working with PMTs in applications such as wind farms, facilities management, solar, and utility distribution.

The kit includes the RSA-216 remote switch actuator, the RSO-IV remote switch operator module with a 25-foot cable or optional radio remote, an exterior-mounted auxiliary enclosure with an interior alignment tube, and a 2-inch fiberglass hot stick with custom switch connection and customizable switch adapters.

INSTALLATION

1. The auxiliary enclosure is installed by boring a 2.5-inch hole aligned with the switch position in the PMT.
2. An interior alignment tube extends up to 10 feet from the door to ensure the hot stick aligns with the switch and is steady during operation.
3. The RSA is placed over the box, attaching magnetically and interacting with the hot stick adapter for remote operations.



RSK-PMT

with CDS Kit

For pad-mount transformer applications

SPECIFICATIONS

RSA-216

- Operation: Close/Trip (2 Position Switches)
- Size: 14.6" x 7.2" x 8.0" 17.1 lbs.
- Controller: RSO-I AR

RSO-IV

- Weight: 23 lbs.
- Lead-Acid Battery Life: 8 amp-hours
- Input Voltage: 100-420 V AC/50-60 Hz
- Full Load Amps: 2 A
- Enclosure Rating: Type 1
- Enclosure Material: Polypropylene copolymer

Auxiliary Enclosure

- Front Dimensions: 6.0" x 6.0"
- Alignment Tube Length: 10.0"
- Portal Diameter: 2.40"

Hot Stick

- Material: Isophthalic Polyester Fire Retardant Resin (ISOFR) Fiberglass
- Diameter: 2.0"
- Length: Varies per transformer application
- Adapter Head Material: Aluminum
- Max. Temp: 150°F
- Min. Temp: -100°F
- Tensile Strength: 30k psi

Wireless Controller

- Max. Operation Distance: 300 ft. (line of sight)
- Frequency: Direct sequence spread spectrum (DSSS) technology
- Operating Temp: -4°F to 131°F
- Transmitter Power: +3.6V to +4.5V (Three AAA batteries)
- Auto Shutdown: 4 minutes
- Indicators: Green/Red/Amber (Transmit/Receive/Link)
- Low Battery Warning: 3.1V and below
- Transmitter Weight: 7.2 oz
- Transmitter Size: 5.37" x 2.68" x 0.92"
- Transmit Button Life: 5 million operations



CBS ArcSafe RSAs are custom built for electrical equipment and assisted by strong magnets so modifications are not required to switchgear. Used in conjunction with RSOs, these devices allow service personnel to stand outside the arc-flash boundary to remotely operate circuit breakers, motor control, switches, and control circuits.

