

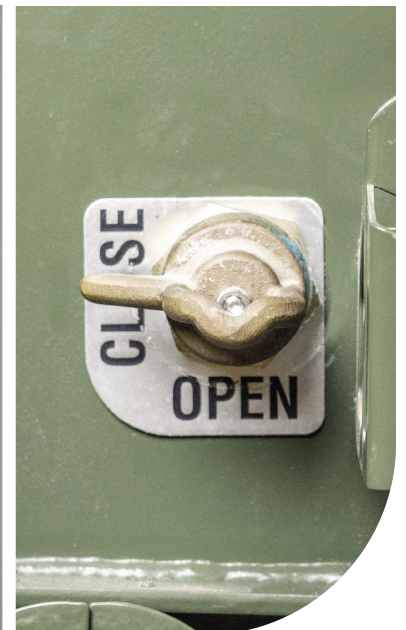
# CBS ArcSafe®

A Group CBS Company

REMOTE SWITCHING  
SOLUTIONS  
FOR **PAD-MOUNTED  
TRANSFORMERS**



## Distance *is* Safety®





# RSK-PMT

## With Closed Door Switching Option

The RSK-PMT remote switch kit (RSK) for pad-mounted transformer (PMT) applications provides arc flash safety in applications such as wind farms, facilities management, solar, and utility distribution.

The closed door switching (CDS) accessory package allows for remote operations without the need to open the transformer doors for switching tasks.

### Closed door operation equipment:

- RSA-216 remote switch actuator
- RSO-IV-M18 remote switch operator with 12-foot operating cable and radio remote
- Exterior-mounted auxiliary enclosure with interior alignment tube
- 2 inch fiberglass hot stick with custom-machined ends for interfacing the switch adapter and RSA-216 actuator handle

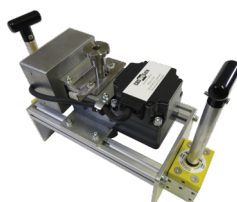
## 5 Steps to Safe Transformer Maintenance

1. Insert the hot stick adapter and feel for a secure connection with the PMT switch.



RSA-216 remote switch actuator

Multiple installed auxiliary enclosures with alignment tubes and customized hot stick for transformers

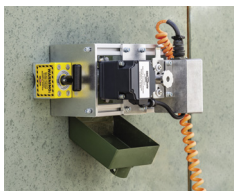


2. Retrieve the portable RSA-216 actuator.

RSO-IV-M18 remote switch operator



3. Attach the RSA actuator with magnets.



4. Connect the unit cable and power on the RSO-IV-M18.

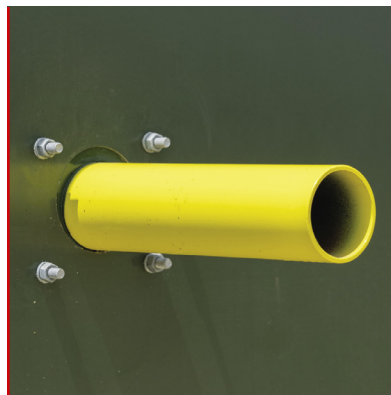
5. Move to a safe distance for switching with the radio remote.



Operational Video

Door Enclosure  
Installation

An auxiliary door enclosure is installed by boring a 2.5 inch hole aligned with the switch position in the PMT. An interior guiding pipe spans roughly 10 inches from the door to ensure the insulated hot stick aligns with the transformer switch and remains steady during operation.

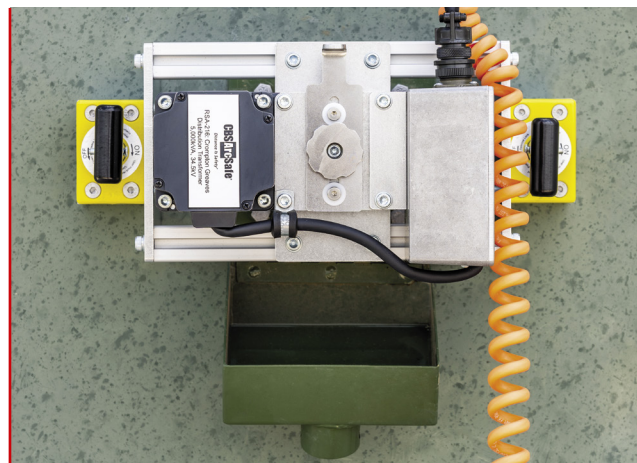


Operational Video

Closed Door  
Operations

The RSA (actuator) is magnetically mounted over the box and the exterior door enclosure and interfaces with the insulated hot stick adapter to operate the interior switch. The RSK-PMT actuator for the CDS package incorporates two magnets to handle increased torque requirements during operation.

The CBS ArcSafe RSK-PMT system is used in conjunction with **U.S. Patent 11,646,168 B2** shown in the photos herein.



# RSK-PMT

## Open Door System

RSK-PMT open door switching allows technicians to operate 2-position PMT switches from a safe distance. Installation and operation typically do not require any modifications to existing electrical equipment. The design allows the unit to be portable and compatible across multiple OEMs. CBS ArcSafe can also design a custom solution to operate your transformer.



RSA-216  
2-position  
actuator



Open Door  
Operations



The RSA-216 2-position actuator is ideal for tight spaces with small footprints. It is easy to align the actuator with the racking switch and mount it with strong magnets. Connect the RSO-IV-M18 remote switch operator to open and close the transformer from outside the arc flash boundary.

# RSK-PMT-4P

## 4-Position Applications

The RSA-216 4-position actuator can be custom programmed at the factory to suit your specific transformer. The device can make four 90-degree rotations or be configured to travel past 90 degrees by any amount and return to the 90-degree position.

### Features:

- Remote operation from up to 300 feet away
- Lightweight and portable for hard-to-access areas
- Powered by Milwaukee M18 REDLITHIUM ion battery packs
- Simple setup; no equipment modification required
- Quick installation and removal from gear
- Kit is set up for most common applications
- Reduces or eliminates need for arc flash hazard suits
- Eliminates all hazardous manual contact with gear during operation
- Designed, manufactured, and assembled in the USA

RSA-216  
4-position  
actuator





# RSO-IV-M18



RSK-PMT solutions require the RSO-IV-M18 operator to perform remote switching. The device is a lightweight and portable rechargeable power supply powered by a Milwaukee M18 REDLITHIUM ion battery pack.

- Portable, rugged carrying case made of NK-7 high-impact polypropylene, weighing only 15 lbs.
- Radio remote included with functionality up to 300 feet away with a line of sight
- User interface built for quick adjustment with tactile feel
- Visual feedback when operating inputs are met via the strobe beacon
- Milwaukee M18 charger (1) and 5.0 Ah M18 battery pack (1) provided
- Radio remote operates on a 2.4 GHz frequency band (similar to Wi-Fi or Bluetooth)

**POWERED BY**  
**M18 REDLITHIUM**



RSO-IV-M18

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