

## Magnum integral motorized remote racking Magnum PXR circuit breakers



# Integral motorized remote racking for Magnum breakers with breaker controls



Magnum drawout circuit breaker

Eaton's Magnum™ integral motorized remote racking device provides a means to remotely rack Magnum drawout circuit breakers. The Magnum MR2 device can also be utilized to open and close the breaker remotely, using the pendant. The addition of the Magnum MR2 device helps mitigate arc flash exposure and improve productivity for the user.

### Enhance safety and productivity

Using a single remote pendant, the Magnum MR2 permits the operator to safely move a Magnum breaker between predetermined positions within the compartments and open/close the breaker. Standing outside the arc flash boundary of the switchgear, an operator can open/close the circuit breaker, and can select and rack the circuit breaker between Disconnect, Test or Connect positions.

### Arc flash protection required

Arcing faults create a violent explosion, resulting in an inferno of ionized gases, molten debris, metal shrapnel and a flash of light (an arc flash). Inside a switchgear system, an arc event can dislodge compartment doors and turn hardware into high-speed projectiles.

There is a rising demand to protect personnel from the dangers of potential arc flash occurrences by increasing the distance between an operator and the front of a switchgear lineup during changes to the switchgear.



Powering Business Worldwide

### Available outside the arc flash zone

- Available for all Magnum PXR and Power Defense™ SB breaker frames
- Operator can use the Magnum MR2 pendant to open and close the breaker remotely
- 30 ft cord length between pendant and switchgear system
- All circuit breaker safety interlocks remain intact per UL® 1066 Annex D
- Per NFPA 70E® standard, working outside the arc flash zone allows for PPE reduction

### Highly reliable and efficient

- Powered from an internal control power transformer (CPT), when available, or a customer supplied external 120 Vac power source
- Motor and safety interlocks are built into the breaker
- Dynamic break has been incorporated to improve reliability
- Magnum MR2 pendant can be used interchangeably to rack both low- and medium-voltage equipment
- Permanently installed system eliminates the need to lift, manipulate and align heavy, bulky equipment that is stored between service intervals
- Maintains the ability to manually rack circuit breakers
- A single controller can be used to rack multiple breakers of a similar rating through the use of a rotary switch, programmable logic controller (PLC) or relay logic

### Intelligently designed

- Built-in logic to detect interference, provide suggested corrective actions and prevent operation until the error has been cleared
- Can be integrated into switchgear secondary control circuits, (SCADA) systems, Modbus® interface or discrete wiring
- Pendant will override remote communication system controls when plugged into a specific circuit breaker port
- The Magnum MR2 device tracks and logs racking records to simplify the scheduling of equipment maintenance



*The MR2 you trust, now an industry exclusive in low-voltage circuit breakers*



For more information, visit [Eaton.com/MagnumMR2](https://Eaton.com/MagnumMR2) or call your local Eaton sales office.

**Eaton**  
1000 Eaton Boulevard  
Cleveland, OH 44122  
United States  
Eaton.com

©2023 Eaton  
All Rights Reserved  
Printed in USA  
Publication No. PA013009EN / Z27783  
July 2023



Eaton is a registered trademark.  
All other trademarks are property of their respective owners.

Follow us on social media to get the latest product and support information.

