

Eaton motorized remote racking (MR2) FAQs



Q: What are the available offerings?

A: MR2 for breaker: Any VCP-W breaker at 5, 15, 27 and 38 kV metal-clad switchgear. MR2 for auxiliary drawers: Any 5/15 kV metal-clad applications.

Q: What is new about the MR2?

A: The MR2 provides a means to remotely rack any VCP-W breaker or 5/15 kV 36-inch-wide auxiliary drawer from outside the arc flash zone. In addition, the MR2 provides the ability to open and close the breaker using the MR2 pendant.

Q: How does the MR2 compare to other racking options?

A:

- The MR2 is the first integral remote racking offering for VCP-W drawout breakers and auxiliary drawers
- The MR2 places the operator up to 30 feet away from the breaker or auxiliary unit that is being racked in or out
- The MR2 for breaker product also allows the operator to open and close the breaker and place the breaker into Test position
- An internal CPT, when available, or a customer supplied external 120 Vac power source energizes the system's racking motor and pendant
- Maintains the ability to manually rack the circuit breaker and auxiliary drawers when the MR2 is installed

Q: What flexibility does the MR2 pendant provide?

A: The MR2 pendant utilizes a 30-foot flexible cord to connect it to the switchgear. Once connected, the operator can move to a safe distance while using the MR2. A single MR2 pendant can be used for all MR2 installations within a lineup.

Q: Who would buy the MR2 offering?

A:

- Customers concerned about safely connecting and disconnecting breakers and auxiliary drawers from outside the arc flash zone
- Customers purchasing new switchgear or looking to upgrade existing equipment with MR2 products
- Typical MR2 customers tend to be from the industrial, utility or oil & gas segments

Q: What are the primary value propositions?

A:

- Keeping operators safe by removing them from the arc flash zone during racking or opening and closing activities. Improve productivity by reducing the amount of time required to perform these activities
- Control of the breaker or auxiliary drawer from up to 30 feet away
- Eliminates the need for the operator to add any bulky equipment or additional PPE during racking or breaker operation



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Q: What does a PPE reduction mean for me and my site?

A: Based on NFPA-70E® code, a full arc flash prevention suit is required if the operator is inside the arc zone during racking or opening and closing process. By taking the operator out of that zone, no additional PPE is required, other than the site specific requirements (steel toes, eye glasses, etc.).

Q: What is included with an MR2 order?

- A:**
- MR2 breaker or auxiliary pan
 - Racking motor, PCB controller, disconnect with LOTO, and all necessary hardware
 - User manual and pendant

Q: What are my remote communication options?

- A:**
- Handheld pendant
 - Modbus® interface
 - Secondary control circuits, (SCADA) systems
 - Discrete I/O

Q: Can this be installed in existing switchgear?

A: Yes. A retrofitted MR2 system can be installed in the field producing the same functions and benefits of an MR2 unit installed in a new switchgear system.

Q: Can a pendant with Open/Close functionality be used to add Open/Close functionality to an existing MR2 installation?

A: Not entirely. The pendant will be required as part of the upgrade, but the switchgear will also need a new control board and some additional wiring in order for the Open/Close functionality to work.

Q: Where can I find additional information about the new MR2?

A: Visit www.eaton.com/MR2

Pre- and post-sales support is provided by the Technical Resource Center, which can be contacted at 1-800-809-2772, option 4 or option 2.

For field retrofitting questions and support about the MR2, contact your regional Eaton's Electrical Services & Systems (EESS).

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