

REP-1 ELECTRICAL DISCONNECT PEDESTAL

The **MAPA REP-1** is a purpose-built rooftop electrical disconnect pedestal designed to provide code-compliant, local power control for rooftop mechanical equipment (HVAC, fans, condensers). It features a patent pending single-penetration design that ensures a weather-tight seal while simplifying installation on various roof types.

Features and Benefits

- **Vibration Mitigation and Electrical Integrity:** By providing a rigid, structurally anchored mounting system mechanically isolated from the equipment it controls, the REP-1 significantly reduces mechanical harmonics and vibration transfer from rooftop equipment to electrical conduit and control enclosures. This stability is critical in preventing the gradual loosening of electrical terminations and the chafing of wire insulation against conduit walls, both of which are leading causes of electrical arcing, short circuits, and potential fire hazards in utility control environments.
- **Single Roof Penetration:** Utilizes a single round penetration to minimize leak potential and reduce installation time.
- **120V GFCI Convenience Outlet (Optional):** Provides continuous, unswitched power independent of the primary equipment's control status.
- **Code Compliance:** Provides required "within sight" disconnect for routine maintenance and safety (NEC compliance).
- **Weather Resistance:** NEMA 3R or optional NEMA 4X rainproof enclosure with a powder coated steel shroud.
- **Durability:** UV-resistant powder coating and heavy-duty steel construction.
- **Integrated Base:** Welded deck flange to simplify installation and provide additional rooftop leak protection.
- **Non-Penetrating Top-Side Design:** Utilizes a heavy-duty metal bracket that anchors to the underside of the roof decking, eliminating the need for additional screw holes or penetrations through the exterior roof membrane.
- **Integrated Unistrut Compatibility:** Features a bracket engineered to interface directly with standard Unistrut, allowing for adjustable positioning and load.
- **Structural Load Distribution:** The system transfers the weight of the rooftop equipment directly to the building's structural frame rather than relying on the insulation or membrane.



Technical Specifications

Parameter	Specification
Amperage Rating (Select one)	<input type="checkbox"/> 30 Amp <input type="checkbox"/> 60 Amp
Voltage Rating (Select one)	<input type="checkbox"/> 240 VAC <input type="checkbox"/> 600 VAC
Phase / Wire	Single or Three Phase (See Wiring Configuration)
Enclosure Rating (Select one)	NEMA 3R (Standard) / <input type="checkbox"/> NEMA 4X (Optional)
Material	Gray Powder-Coated Steel
Conduit Connection	Gray Powder-Coated Steel
Short Circuit Rating (Select one)	10 kA (Non-Fused Standard) / Other: _____

Wiring and Configuration Options

Duty Cycle (Select one):

- General Duty (Standard)
- Heavy Duty (Industrial)

Blade Type (Select one):

- Non-Fusible (Switch only)
- Fusible (Includes Class R/J fuse holders - Fuses not included)

Wiring Configuration (Select one):

- 2-Wire (No Neutral)
- 3-Wire (No Neutral)
- 3-Wire (With Neutral)
- 4-Wire (No Neutral)
- 4-Wire (With Neutral)

Additional Options & Accessories

Convenience Outlet:

- 120V WR Type GFCI Outlet

Pre-Wired:

- Includes 6' Whip & Junction Box

Certifications & Approvals

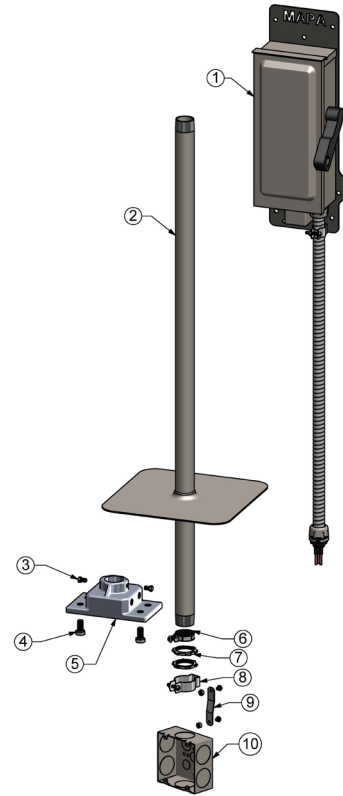
UL Listed & Recognized Components

NEC Compliance: Meets Article 406.9 (B)(1) for wet locations

See reverse page for Installation Dimensions and Technical Product Drawings or contact your MAPA Rep today.

Component View

- 1 - Disconnect & Mounting Plate
- 2 - Standpipe and Shroud
- 3 - Underside Base Clamp Screws (2)
- 4 - Hex Head Bolts, 18-8 Stainless (4)
- 5 - Underside Base
- 6 - Grounding Bushing
- 7 - Lock Nut (2)
- 8 - Pipe Clamp, Screw & Nut
- 9 - Junction Box Mounting Plate and Screws
- 10 - Junction Box



Installation Dimensions

Overall Height: 70-3/4 inches
Height Above Base Flange: 54-3/4 inches
Base Footprint: 12x12 inches
Pipe Penetration Size: 1-5/8-in OD

