

PORTABLE REMOTE OPERATING MECHANISM FOR PAD-MOUNTED SWITCHGEAR (PROM-PM)

Federal Pacific has continued to expand its line of Portable Remote Operating Mechanism (PROM) offerings with a version designed for application on Federal Pacific Live-Front and Dead-Front pad-mounted switchgear. The PROM-PM allows manual Federal Pacific pad-mounted switchgear to be operated at distances of up to 50 feet from the switchgear. The mechanism which can be quickly installed, operated, and removed from the switchgear without the need for drilling or other modifications which might unduly affect the integrity and security of the switchgear.

Remote operation allows switching by personnel to be performed outside of the arc-flash boundary zone. Perhaps even more

importantly, this new tool allows field personnel to affect and regulate the one key variable under their control – distance from a potential arc event, rather than relying on others to have performed other potentially mitigating functions (controlling the intensity or duration of the potential arc) at an unknown and unseen location or having to don uncomfortable and restrictive flash suits.

The PROM-PM, like the other PROM products gives field personnel greater control of their exposure to arc-flash hazards without compromising the integrity or security of the pad-mounted switchgear.



Figure 1. PROM-PM Installed on PSI/II, with Tank and Hose.



Figure 2. PROM-PM Mounting Plate on PSI/II



Figure 3. PROM-PM on PSI/II



Features:

- 1) Extendable 50 foot air-hose, with quick-connect pneumatic couplers on each end for connection to a CO₂ tank and the operating air-cylinder.
- 2) A two-piece welded steel operating mechanism, consisting of a removable base (3) and the pneumatic operating unit (4), which connect together quickly and easily with the two supplied heavy-duty wing-nuts.
- 3) The base provides the secure attachment for the PROM-PM on the switchgear, with minimal weight to hold in place during the installation.
- 4) The pneumatic operating unit is easily and quickly installed on the base, by the use of two smooth guide studs at the bottom and two threaded studs at the top in conjunction with the previously mentioned wing-nuts.
- 5) Air Cylinder on operating module with quick-connect couplers, one each for the closing and opening functions.
- 6) CO₂ tank, 15 pounds, provides approximately 150 operations per charge.
- 7) The portable operating station and carrier holds the CO₂ tank and stores the PROM-PM when not in use.
- 8) Optional two-wheeled dolly may be permanently secured to the Portable Operating Station.
- 9) The bottom of the Portable Operating Station is formed with a channel base to accommodate a standard two-wheeled dolly, if the permanently attached dolly option is not specified.

Every effort is made to ensure that customers receive an up-to-date instruction manual on the use of Federal Pacific products; however, from time to time, modifications to our products may without notice make the information contained herein subject to alteration.

