

## ***Guardian*** Auto Safety Disconnect

Republic Oil Tools Guardian Auto Safety Disconnect eliminates the high-risk potential for electrocution while working on a Permanent Magnet Motor Electrical Submersible Pump. The Guardian is installed between the wellhead and the step-up transformer to provide protection from regenerated voltage from entering the step-up transformer and subsequently the variable speed drive.

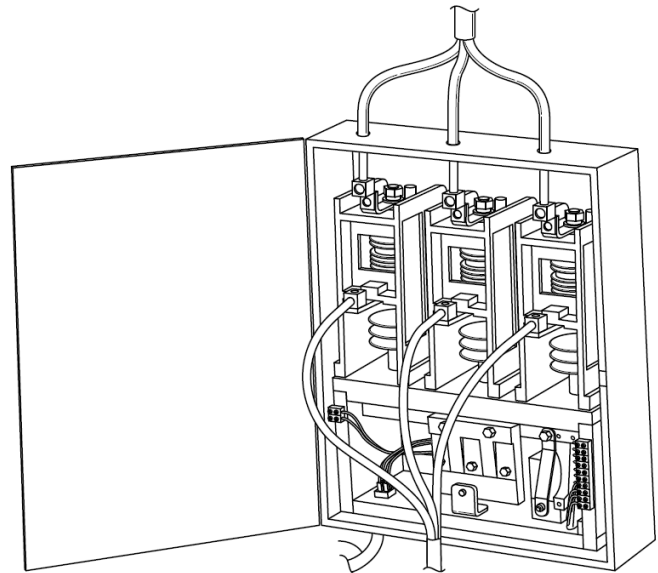
The Guardian requires a relay to be added into the variable speed drive. The relay tells the low voltage powered coil inside of the Guardian to open or close the vacuum contactors. Typically, the relay is set to close the contactors when the ESP is started and open them when the ESP is stopped. This eliminates regenerated voltage inside the step-up transformer and the variable speed drive regardless of the downhole conditions.

The Guardian does not stop power generation but provides a failsafe barrier that will keep personnel safe.

The Guardian is patent pending.

### Specifications:

- Primary 12000 V / 600 A per leg
- 380-480 V / 50-60 Hz coil
- 24V / 120V / 240V relay required
- Pole or Pad Mount
- NEMA 3R, 4, 12 and Type 13
- UL Listed type 3R, 4, and 12
- CSA Type 3R, 4 and 12
- IEC 60529
- IP66
- 0.075" Carbon Steel
- ANSI-61 gray powder coating
- Door interlock standard
- 30" x 24" x 12"
- 161 lbs



For more information on the Auto Safety Disconnect or alternative PMM Safety options, please contact your Republic Oil Tools representative or visit [www.republicoiltools.com](http://www.republicoiltools.com)

