

Good, Better, & Best MOTOR PROTECTION CHECKLIST





The more ways your motor is protected, the fewer chances you take with downtime and repairs. This checklist helps you pick the degree of motor monitoring and relay protection that you need for a given application.

CHECKLIST Good @ Over/under voltage 460 (DIN-rail or surface mount) A basic level of protection is Phase loss provided by monitoring the voltage 201 A-AU (8-pin socket mount) Reverse phase going into the motor. Without **Voltage/Phase Monitors** protection, faulty conditions can Unbalanced cause motor windings to overheat voltage Cost-effective options for 3-phase motors. and burn motor insulation-causing 201 A-AU Rapid cycling premature motor failure. 455 Voltage/Phase Monitor Informer-MS Handheld Diagnostic Tool **Better** @ Contactor failure Second set of voltage inputs monitors voltage In addition to all the voltage/phase on the load-side of the motor contactor to Fault history protection above, you may wish to detect contact failure. Keeps history of the Real-time display monitor the load side, log events, past 20 fault causes including voltages and 455 of conditions and view conditions on a display in unbalance at the time of trip. With optional real time -ideal for troubleshooting. Informer-MS, wirelessly download and view fault history, read real time voltages per Informer-MS phase, voltage unbalance and more. 777-P2 MotorSaver® (for industrial motors) Current overloads Best @ @ 777-KW/HP-P2 PumpSaver® (for pumps) and underloads Current unbalance This Enhanced Overload relay Underload protection keeps pumps from combines all the voltage/phase Ground fault running dry or motors from running unloaded. protection features above into an The display allows for easy programming, real-On-board display overload relay with on-board display time voltage/current readings and fault codes. Remote and optional communications. It can connect to a remote monitor, SCADA, 777 -P2 communications PLC, or PC via a communications module.

Awesome

What's better than best? Littelfuse has a broad line of advanced motor protection relays that provide awesome protection of expensive motors in critical applications.

- MPU-32 Motor Protection Unit Used to provide current and temperature-based protection, metering, and data logging for three-phase low-voltage medium-horsepower induction motors.
- MPS Motor Protection System Monitors voltage, current, and temperature to provide a comprehensive package of 22 protective functions.

Form: PFD771 Rev: 1-A-080615