

# Motor Protection Checklist

From basic to advanced, from standard to smart, we have the level of protection that's right for you. Use this checklist to easily select the degree of motor protection that you need for your application.



## ☐ Smart

This smart, universal relay can communicate directly with your smartphone or tablet via Bluetooth®. No need to open the control panel. Monitor and control unlimited relays through the Littelfuse MP8000 App on your smartphone or tablet from a safe distance.



**MP8000 Bluetooth® Overload Relay**



## ☐ Advanced

Offering an advanced level of protection, multi-functional relays with on-board display, customizable trip curves, and optional communications provide protection for low- and medium-voltage motors.



**MotorSaver® 777-P2  
Current/Voltage Monitor**



**MPU-32  
Motor Protection**



**MPS Motor Protection**

## ☐ Standard

In addition to voltage and phase protection, a standard level of protection allows you to monitor the load side and log events of low voltage motors. Plus, you can view conditions on an optional hand-held display in real time for easy troubleshooting.



**455 Voltage Monitor Relay**



**Informer-MS**

## ☐ Basic

With a basic level of protection, you can monitor the voltage going into a low voltage motor and detect faulty conditions that cause premature motor failure and unplanned downtime.



**460 Monitor**



**201A-AU Monitor**



**PGR-6100 Ground-Fault  
and Insulation Relay**

## Selection Comparison

FEATURE	SMART	ADVANCED			STANDARD	BASIC		
	MP8000	MPS	MPU-32	777-P2	455	PGR-6100	460	201A-AU
OVERLOAD	✓	✓	✓	✓				
UNDERLOAD	✓	✓		✓				
OVERCURRENT/JAM	✓	✓	✓	✓				
REDUCED OVERCURRENT MODE		✓	✓					
UNDERCURRENT	✓	✓	✓	✓				
CURRENT UNBALANCE	✓	✓	✓	✓				
PHASE LOSS/REVERSAL	✓	✓	✓	✓	✓		✓	✓
OVER/UNDERVOLTAGE	✓	✓		✓	✓		✓	✓
VOLTAGE UNBALANCE	✓	✓		✓	✓		✓	✓
GROUND FAULT	✓	✓	✓	✓		✓		
OVERTEMPERATURE	✓	✓	✓					
RAPID CYCLING/JOG	✓	✓	✓	✓	✓		✓	✓
STARTED CONTROL		✓						
DIFFERENTIAL		✓	✓					
INTERNAL CT	✓ (UP TO 100A)			✓ (UP TO 90A)*				
COMMUNICATIONS	✓	✓	✓	✓				
OFFLINE INSULATION MONITORING						✓		
DATALOGGING	LAST 1,000 FAULTS	64 EVENTS	64 EVENTS	LAST FAULT	20 FAULTS			
ON-UNIT METERING	VIA SMARTPHONE	4 LINE X 20 CHARACTERS	4 LINE X 20 CHARACTERS	3 DIGIT DISPLAY				

\* Other versions exist with different current monitoring ranges and temperature monitoring. Consult specific series datasheets for more details.

## For Motor and MCC Circuit Protection Choose...



### UL Class Fuses

The CCMR, FLSR, and JTD current-limiting fuses provide general protection for a wide range of circuits.



### Indicating Fuses

The FLSR\_ID, JTD\_ID, and LLSRK\_ID current-limiting fuses provide visual blown fuse indication at a glance.



### Fuse Blocks

Used with or without indicating fuses, space-saving indicating fuse blocks provide easy open-fuse identification.

**Disclaimer Notice** - Information furnished is believed to be accurate and reliable. However, users should independently evaluate the suitability of and test each product selected for their own applications. Littelfuse products are not designed for, and may not be used in, all applications. Read complete Disclaimer Notice at [www.littelfuse.com/product-disclaimer](http://www.littelfuse.com/product-disclaimer).

Form: RC224  
Rev: 2-B-012318