

Universal Malfunction Monitor

UMM-SP

Fix It Before It's Broken!

The UMM Universal Malfunction Monitor is a solid-state, 24 VAC interface module designed to accept a variety of dry contact inputs such as a current sensing relay, static pressure switch, refrigerant pressure sensor or freeze stat. Based on the selected input, the module will trigger a SPDT relay after a selected time of 6 seconds or 6 minutes once the input contacts open. The relay contacts can be used to disrupt equipment operation and/or send a signal to an alarm or other external monitoring device that a malfunction has occurred. This can greatly reduce damage to equipment and property as well as save down time and expensive equipment failure costs.



Static Pressure Switch Application

The UMM-SP can monitor a HVAC system blower during a cooling call through the use of a static pressure switch. If no airflow is detected while the compressor is running, the UMM will disrupt the thermostat signal to the compressor within 6 seconds to prevent coil freeze up. The sensor probe should be mounted in the main discharge air plenum.

Specifications:

Dimensions	5.00"W x 6.00"H x 1.5"D
Current Rating	.25 - 150A
Max Control Voltage	30VAC
Relay Contacts	SPDT (Rated at 5A)
Enclosure	Plastic

WIRING DIAGRAM

