

Application Note: Thermistor Motor Protection Relays



The Rhomberg Electronics SC510 and SC511 Thermistor Motor Protection modules interface with Thermistor (PTC) as per DIN 44081 which detect overheating of equipment such as motors, alternators and transformers. The Slimline SC510 and SC511 offer a failsafe feature and have sensor and cable fault detection which means that if either a short circuit or an open circuit is detected, the relay is de-energised. They also provide LED indication of both relay and cable fault status.

Exclusive to the SC511 is a fault latching feature which is resettable via an external opening contact or the reset button on the unit. Added features are a test button to simulate a fault condition and two push buttons to test and reset the protection circuit on the module. Both SC510 and SC511 have 10 A SPDT relay outputs.

