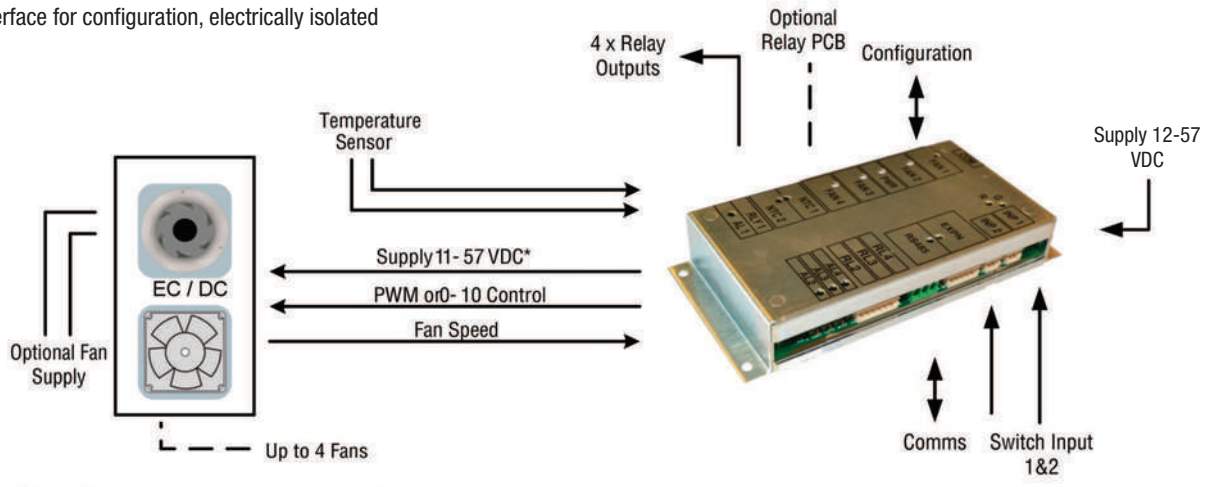
Thermal Management System (TMS)



The Thermal Management System (TMS) is a flexible and fully configurable controller that can be used with EC/DC four wire speed controlled fans. Each fan can be individually speed controlled against one of the two temperature sensor inputs. The controller has four Solid State Relays (SSR's) that can be individually configured to give an alarm output against speed or temperature.

Part Number	Temperature Profile A	Supply Voltage VDC	Ambient Temperature °C	Max Humidity % RH	Width mm	Height mm	Length mm
CN1065 (Boxed)	0-70	12-57	-40... +70	95	69	23	143
210-HAR11887	Configuration Cable						
210-HAR12302	2.0m Thermistor lead assembled with connector						
210-HAR13100-1	0.5m Power Cable assembled with connector						
210-HAR13100-3	0.3m Switch input cable assembled with connector						
210-HAR13100-4	0.6m Alarm output cable assembled with connector						
Fan connector	Cable extensions and connectors fitted on request						

- Works on any DC supply voltage between 12 and 57 Volts
- Fan speed based on temperature profile, independent profile for each fan
- Compatibility with both 0-10V PWM and open collector PWM four-wire fans
- 11A max supply for fans running at full speed powered by the controller PCB
- 2 x Thermistor inputs to configure temperature selection to control each fan
- 2 x Switch inputs suitable to control door alarms, test switch, fan boost
- 4 x Relay alarm outputs
- Daughter board option for two 230VAC 10A relays
- PC Interface for configuration, electrically isolated



*For 0-10 V fans, minimal supply voltage is 16 VDC
For open collector fans, minimum supply is 11 VDC