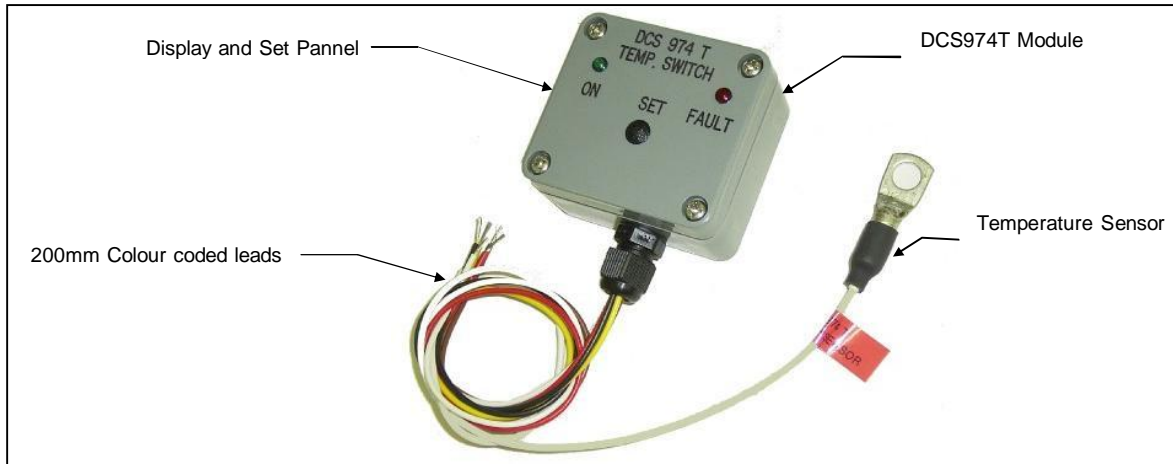


## DCS 974T SERIES SPEED SWITCH



### DESCRIPTION

THE DCS 974-T Temperature Switch Modules are designed to sense surface temperature of an engine. The unit is supplied with a temperature sensing probe which is simple to fit. The sensing probe can be fitted under a bolt head or a nut on the inlet manifold or other surfaces to be monitored. The unit is enclosed in a robust ABS plastic housing of IP 65 rating. Supply On and relay Operation LED's are provided. Setting trim pot and mounting holes are accessible by removing the front cover.

### OPERATION

The sensor probe monitors the engine temperature and at the preset level the Red LED will light and the relay contacts change state, initiating an alarm or system shut down. The sensor operates in Fail Safe mode - If the sensor probe is not securely mounted to the engine or becomes open circuit the Red LED will light and the relay contacts change state.

### INSTALLATION AND SETTING

Bolt the sensing probe onto the engine block or the engine head. Connect white cable to white cable from the control unit. Connect red cable to the ignition circuit and black cable to negative earth. Set the trim pot to maximum setting (clockwise). Start engine and allow to warm up to normal operating temperature. Turn the trim pot Anticlockwise until Red LED lights. This is the operating temperature set point. By turning the trim pot clockwise the Red LED turns off, continue turning trim pot 2-3 mm clockwise for over temperature setting. The unit can be supplied with preset temperature setting if so ordered. The voltage free contact of the relay can now be connected to the alarm or shut down system. Refer to connection diagram for cable colors.

### SPECIFICATIONS

DC Supply:	12v (8-16.5v) 24v (16-33v)
Case Material:	ABS Plastic
Probe Operating Temp:	+20 to +120° Celsius
Relay Contacts:	Volt free NO, max 3A resistive
Dimensions:	64h x 58w x 35d
Connections:	200mm Colour coded leads
Protection against polarization errors	

**NOTE:** Engine frame must be negative ground.

