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ST765

AIR TEMPERATURE SENSOR

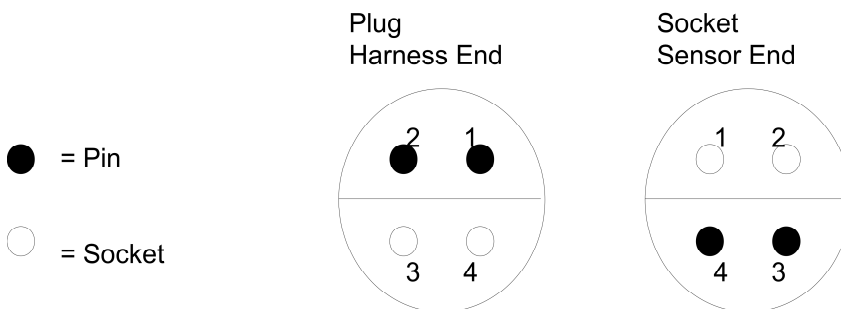# USER INFORMATION

(ST541042-001)

INSTALLATION

It is essential to ensure that the temperature sensor is **NOT** mounted in a position which is close to any devices, or associated wiring, similar to the following:

Suggested Wiring Clearances	Min space ST765
Ignition HT & coil leads	100mm (4")
Radio transmitters	75mm (3")
Fast switching inductive loads like fuel injectors, hydraulic solenoids.	75mm (3")
Any powerful source of heat	Shield with reflective material

Sensor Connections

All of the sensors connect into the ST800 system CPU via a four way, ITT Cannon Mini Sure Seal (MSS) connector. The following polarity is observed in all cases :

These terminals must be connected to the corresponding terminals of the selected input channel.

Pin Number	Signal Description
1	Signal from sensor
2	No connection
3	No connection
4	0v

Application

The air temperature sensor is suitable for measuring free air temperature in the range -20ºC to +70ºC (-5ºF to 160ºF).

Mounting

It should be mounted in free air, being allowed to flow around and through it, and away from any direct sources of heat, such as brake and exhaust systems.

Technical Specification

Range:
	-20ºC to +70ºC (-5ºF to 160ºF)

Accuracy:
	2% F.S.D.

Dimensions:
	45mm (1.75") long by 19mm (0.75") hexagonal.