Installation Dimensions

4 Mounting Holes
Ø3.2 (0.125")
(if required)

75.3 (2.965")
63.0 (2.480")

97.0 (3.815")

111.0 (4.370")

38.2 (1.504")

Feet to clip onto 35mm (1.378") standard DIN Rail
Installation Instructions

The Analogue Connection PCB provides electrical terminal connections for an Analogue Cable connected to a Land SPOT Thermometer.

There are three lengths of analogue output cable available as standard:

- 5 m / 16 ft Part Nº 807950
- 20 m / 66 ft Part Nº 807951
- 100 m / 328 ft Part Nº 807952

You can use the connection PCB to access the required analogue outputs from the SPOT Thermometer.

The Analogue Connection PCB is designed to be fitted to a standard 35mm DIN rail.

Each terminal must be tightened to a torque setting of 0.45 to 0.50 Nm

1) Choose a mounting location for the Analogue Connection PCB so that the analogue cable can be routed securely and safely from the thermometer to the PCB.

2) Refer to Electrical Connections (Fig. 1). Connect the free ends of the Analogue Cable to the Instrument Connections terminals on the PCB. Match the wire colour to the appropriate terminal.

3) You can now use the Control Room Connections terminals to connect to the required analogue outputs from the SPOT Thermometer. Refer to Fig. 1 and the terminal labels on the PCB to identify which analogue outputs are available.

Key to Control Room Connections

1. DC Power 24V (18 to 30V).
2. Current output, configurable as 0 to 20mA or 4 to 20mA with associated temperature range.
3. Relay used for instrument CMD Out, configurable as Normally Open (NO) or Normally Closed (NC). This output can be used as a switch in circuits up to 50V.
4. 24V DC input used for instrument CMD In, configurable as NO/NC.

Each of the above outputs can be configured on the SPOT instrument back panel, on the Webserver, or in the Viewer software.

Electrical Connections

![Electrical Connections Diagram](image)

Note:
Torque settings for connection terminals:
Minimum: 0.45 Nm
Maximum: 0.50 Nm

Fig. 1