

# **Raytek Product Application Notes**

### **Product Wiring**

#### Sensor Cable

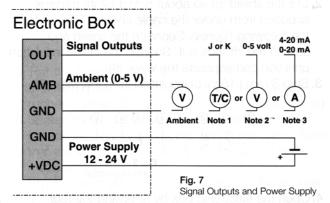
The connection cable between sensor and electronic box is preinstalled by the manufacturer. It may be shortened but not lengthened.

Caution: Shortening the cable length:

1m causes a temp. reading error of - 0.1 Kelvin.

Do not bend the connection cable between box and sensing head tighter than 25 mm (1") dia.

### Signal Outputs and Power Supply



Note 1: Output impedance is 20 ohms

Note 2: Minimum load impedance must be 100 kohms

Note 3: Maximum current loop impedance can be
500 ohm, and the power supply and loop
impedance must be matched as shown on page 14:

You need to connect the power supply (12 - 24 VDC) and the signal output wires. Use only cable with outside diameter from 4 to 6 mm (.16 to .24 in), AWG 24. Caution: The cable must include shielded wires. It should not be used as a strain relief.

## **Product Menu Setting**

## 0-5V, 0/4-20mA SETTINGS

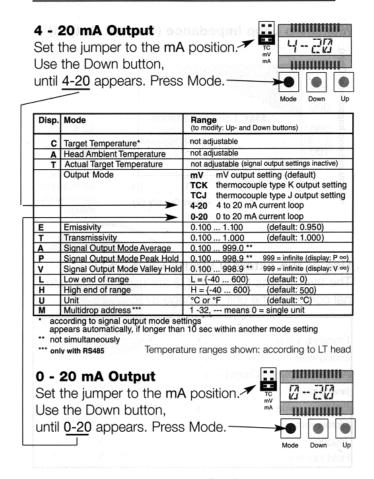


Fig. 15 Assigning 0/4-20 mA Output