This information sheet details, briefly, the method for changing transmitters from the 9435 to a 9438. It should be used in conjunction with the 9438 Instruction Manual supplied with this kit.

Before starting, a length of 3-core cable must be available to connect together the power supply unit, transmitter and sensor unit. The cable must conform to the following specification:

- Cross sectional area = 0.5 mm²
- Minimum current rating = 3 A
- Construction = 16/0.2 mm
- Nominal diameter = 5.4 mm (minimum = 5.0 mm)

**Method**

**Rewiring**

1) Cut the wires in the 9435 sensor junction box as shown in Fig. 2. See Fig. 1 for location. Fit cable gland as indicated.

2) Disconnect the wires from the 9435 transmitter as shown in Fig. 3 and discard the transmitter. Cut back the wires indicated.

3) Wire the free end of the cable into the 9438 transmitter as shown in Figs 4 and 5 (as appropriate) not forgetting the braid.

4) Using a length of 3-core cable, connect as indicated in the diagram in Fig. 6. Further details of the power supply unit can be found in Appendix A of the 9438 Instruction Manual.

Method continued on page 3...

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**Fig. 1 Main Components in the 9435 Unit**

**Fig. 2 9435 Junction Box in the 9435 Sensor Unit**

**Fig. 3 TB3 in the 9435 Transmitter Unit**
Fig. 4 9438 Transmitter Connections (Wall Mounted Version)

Fig. 5 9438 Transmitter Connections (Panel Mounted Version)
**Fig. 6 Wiring Schematic**

**Caution.** PSU must be earth bonded.

**Note.** 0 V is internally connected to earth.

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...Method continued from page 1

**Changing the Temperature Sensor**

Change the temperature sensor to a PT1000 type as follows:

1) Remove the panel from the sensor unit.

2) Disconnect from TB2 in 9435 transmitter junction box and unscrew the old temperature sensor from the flowcell assembly.

3) Fit the PT1000 type temperature sensor (supplied with the kit) by reversing the procedure in step 2).

4) Replace panel.
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