

## Converting from 9435 Transmitter to a 9438 Transmitter

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:

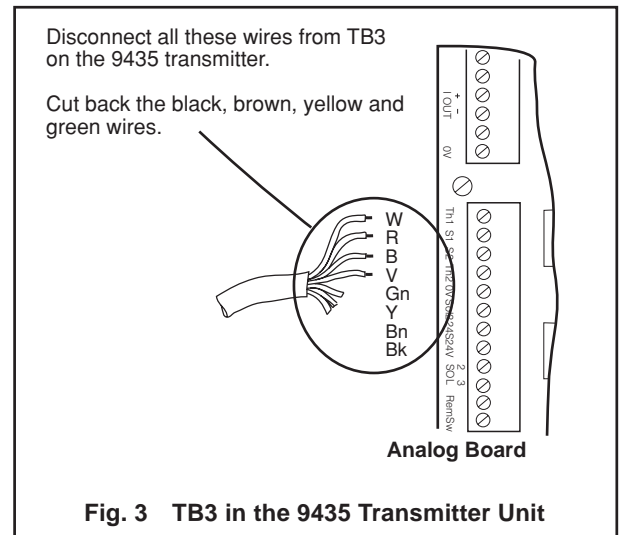
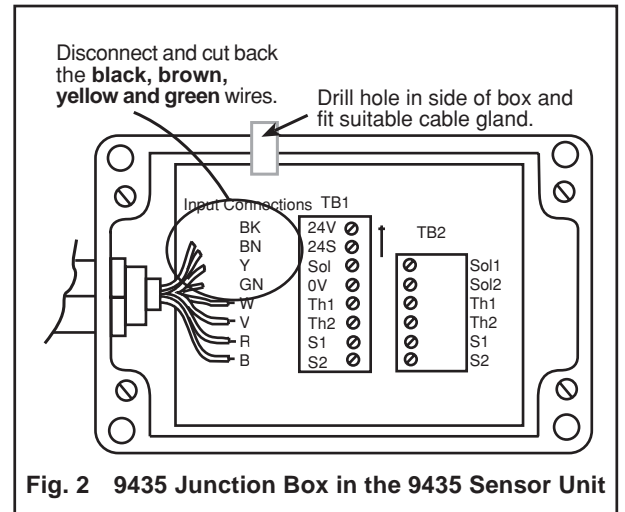
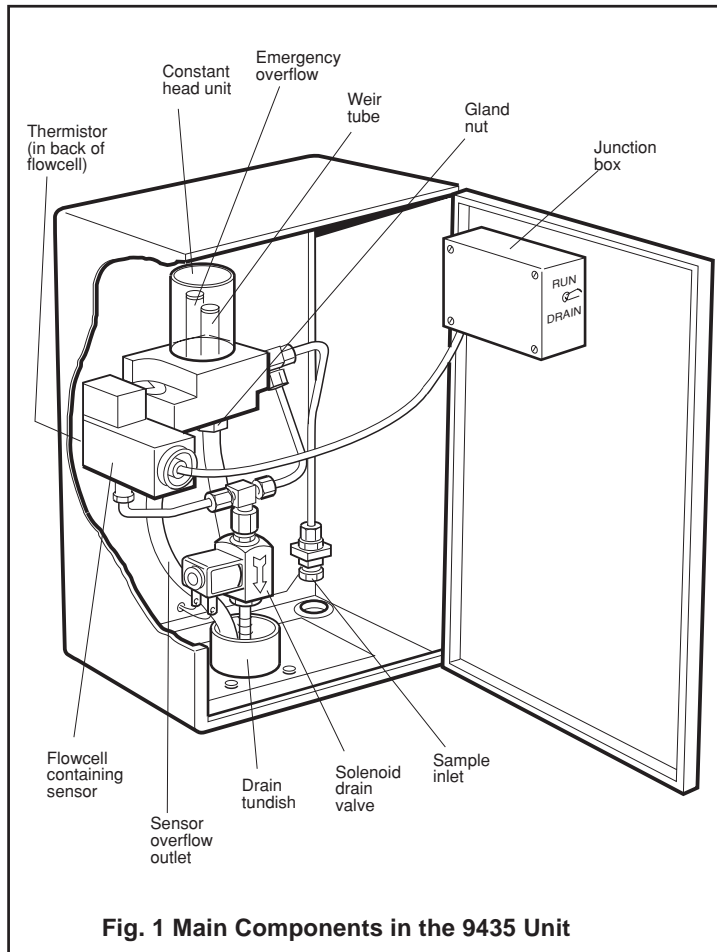
Cross sectional area	= 0.5 mm <sup>2</sup>
Minimum current rating	= 3 A
Construction	= 16/0.2 mm
Nominal diameter	= 5.4 mm (minimum = 5.0 mm)

### 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...



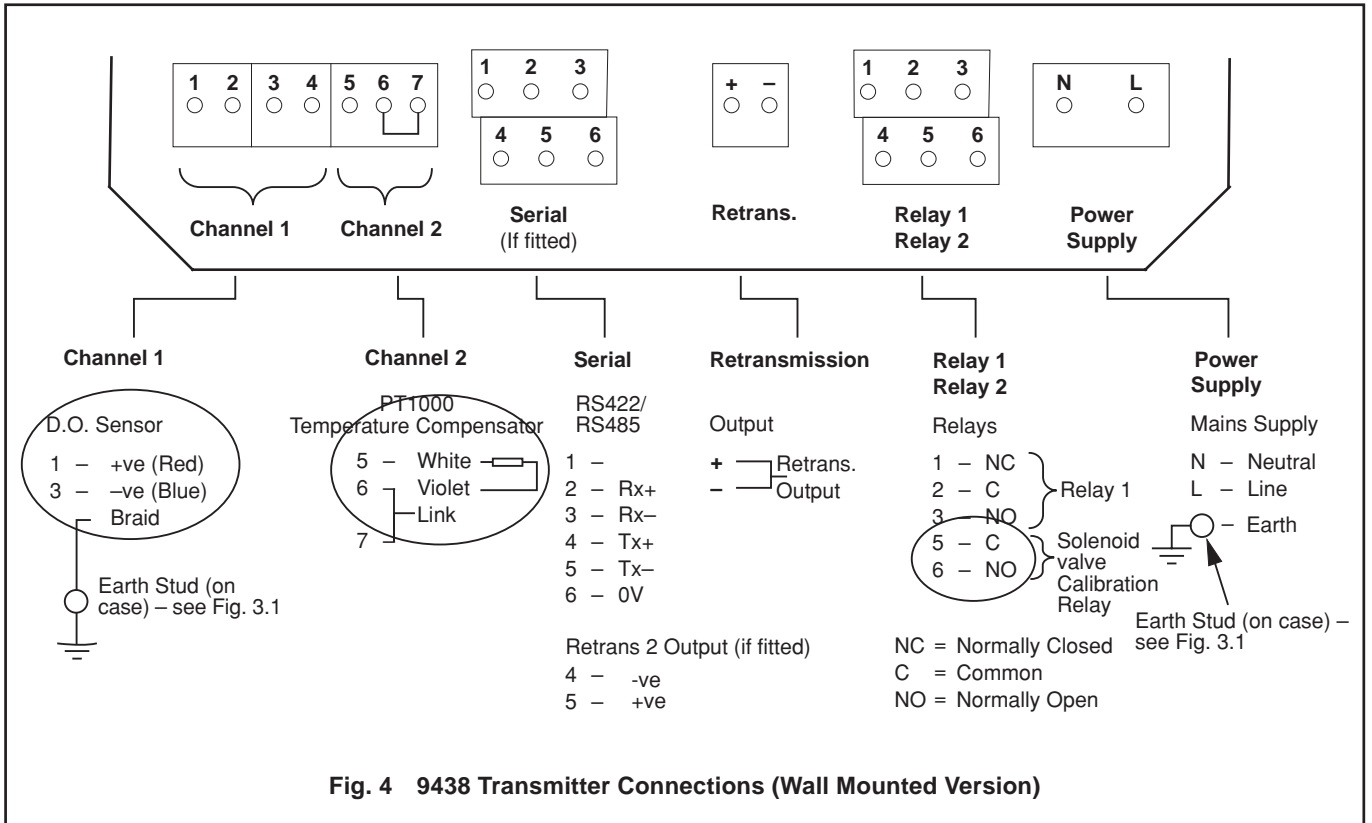


Fig. 4 9438 Transmitter Connections (Wall Mounted Version)

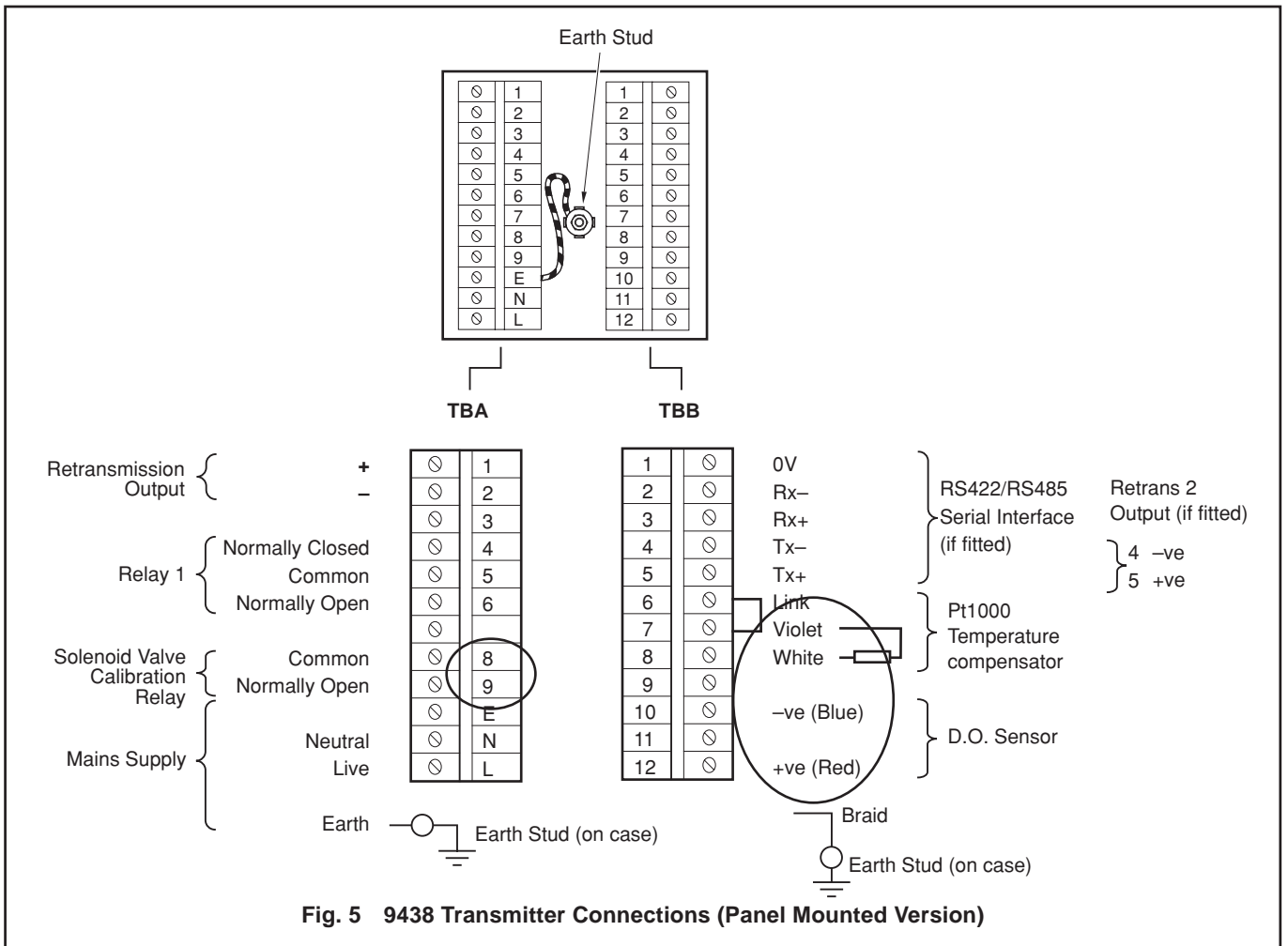
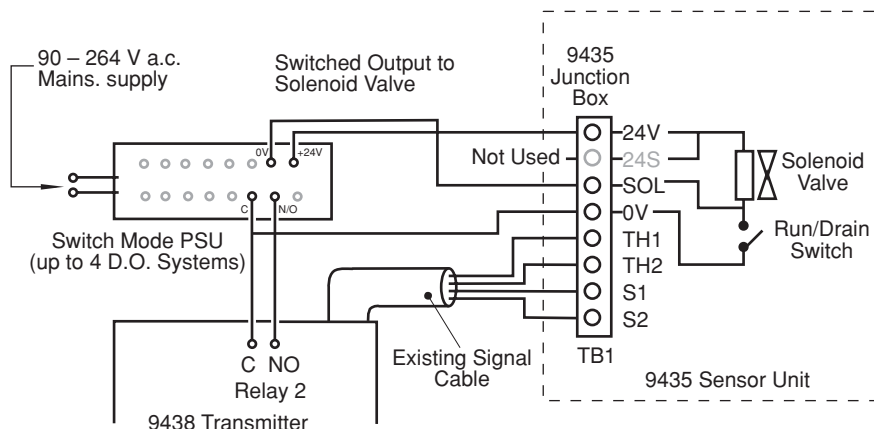


Fig. 5 9438 Transmitter Connections (Panel Mounted Version)



**Solenoid Valve Powered Via Optional PSU**

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

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

**Fig. 6 Wiring Schematic**

...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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