IWC2023 BACK CONNECTING RS232 INTERFACE & CABLE

The back-connecting interface provides a permanent RS232 connection to the indoor detector - once connected to the detector; it can be left in place. This allows an engineer to connect to the RS232 9 pin D-type output, provided, without having to power down the detector. Remember that the alternative 'IWC2044 (and older IWC2022) setup module' is intended for temporary connection while configuring the detector; it should not be left connected for extended periods. Ensure that there is room to locate the setup interface board in the ceiling above the detector base – the RS232 interface is intended to be located above the detector base in the ceiling cavity and is therefore unsuitable for use with solid ceilings.

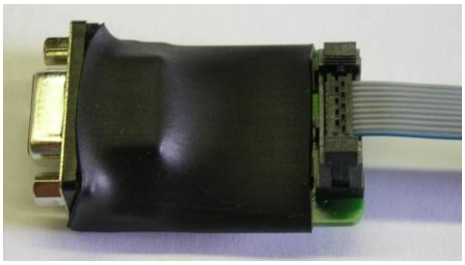

Figure 1

1. Connecting

1.1. SWITCH OFF POWER TO THE DETECTOR - always switch off power when connecting or disconnecting anything on the detector network.

1.2. Detach the detector from its base unit - to do this turn the detector a few degrees anti-clockwise to unlock, and pull away from the base.

1.3. Locate the small connector on the underside of the detector. Connect the ribbon cable, from the set-up interface, to this connector (Figure 2). Note that the connecter is keyed and the ribbon cable will only fit one way around.

Figure 2

1.4. Feed the interface board and cable up into the ceiling and attach the Detector to its base (Figure 3). To do this push the detector head up into the base while turning it anti-clockwise until the tabs engage into position, then turn a few degrees clockwise to lock in place.

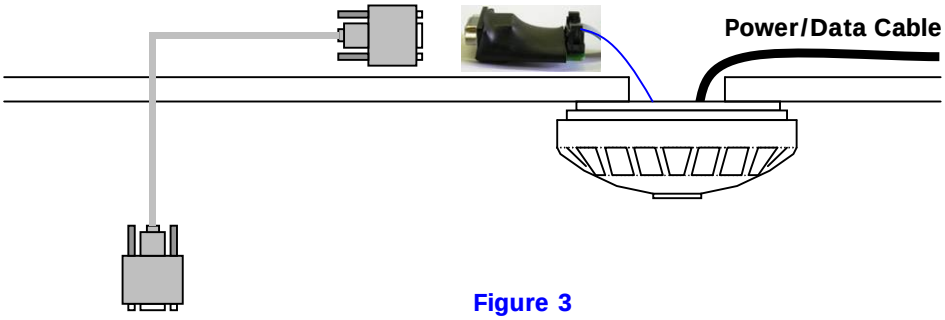

Figure 3

1.5. Power up the network, after 10 seconds the LEDs will blink and then start flashing alternately every second, as the unit warms up; this may take a few minutes and then the unit is operational.

1.6. You can connect your PC's COM port to the set-up interface's RS232 output, using a standard RS232 cable, for configuring in the usual way (see appropriate product guide). You can also disconnect and reconnect your serial cable from the setup interface without having to power down the detector.

2. Disconnecting

2.1. The setup interface is intended for permanent RS232 connection but if you want to disconnect the interface; firstly SWITCH OFF POWER TO THE DETECTOR NETWORK.

2.2. Now detach the detector head, with interface, from the base unit. To do this turn the detector a few degrees anti-clockwise to unlock, and carefully pull away from the base whilst guiding the interface board and ribbon cable out from its location.

2.3. To disconnect the ribbon cable from the detector unit, simply pull the cable from its connector.

2.4. The detector can now be reattached to its base. To do this push the detector head up into the base while turning it anti-clockwise until the tabs engage into position, and then turn a few degrees clockwise to lock.

2.5. Again, power up the network and after 10 seconds the LEDs will blink and then start flashing alternately, every second, as the unit warms up; this may take a few minutes before the unit is operational.

Telephone: +44(0)1604 594200 Fax: +44(0)1604 594210 e-mail: support@irisys.co.uk web: www.irisys.co.uk