



Intrinsically Safe Base Wiring Guide

Part No:45681-215

1. Partially attach one screw into the mounting box or soffit at the required centres. Place the corresponding keyhole of the base over the screw and slide the base home. Tighten up the screw. Then offer up the second screw and tighten.
2. Fig. 1 shows the wiring terminals. The terminal marked 'Earth' on the base is provided for connecting the screen or functional earth.
3. The outside of the base is marked with a moulded vertical line to indicate the position of the LED when the detector has been fitted. This facilitates detector orientation if required.

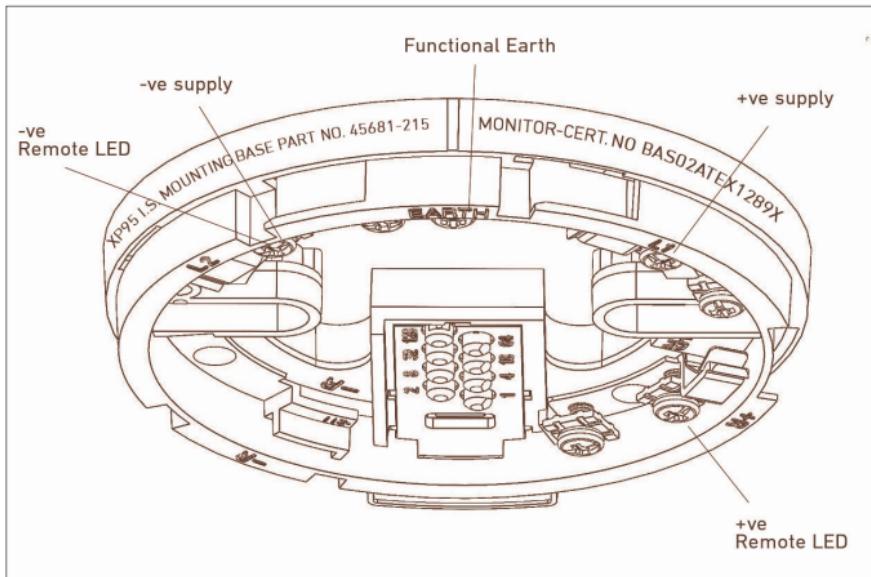
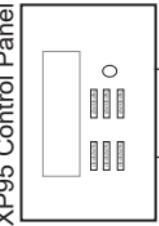


Fig. 1 XP95 I.S. base terminals



Note: the earth terminal in the base is provided for convenience where continuity of a cable sheath or similar is required. It is not necessary for the correct operation of the detector nor is it provided as a termination point for a safety earth.

If screened cable is used screen continuity should be maintained and the screen should be earthed only at one point. The earthing point should preferably be close to the safety barrier or at the Control Panel.

The system complies with the requirements of the EU Construction Products Directive only if wired using screened cable. For details of cable connections see BS EN 60079-14, section 12.2.2.

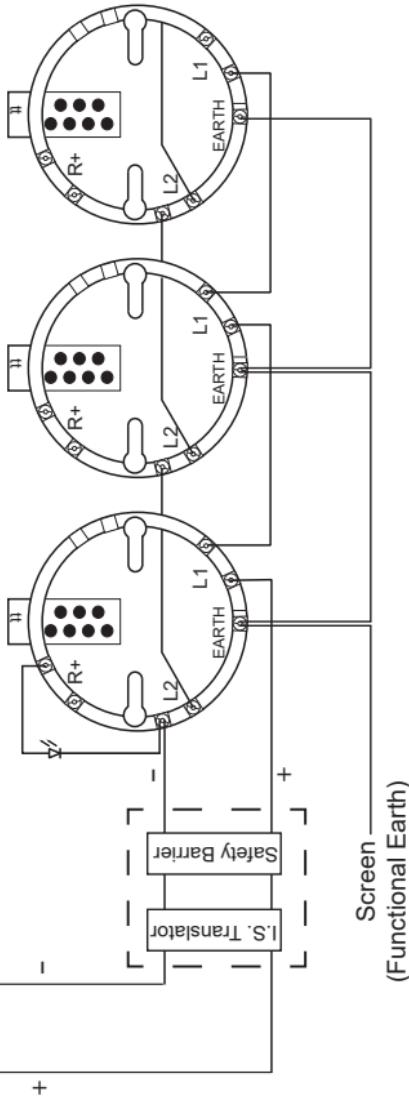


Fig. 2 Wiring diagram for XP95 I.S. bases with one MiniDisc remote LED