

### Introduction

The CHQ-BACKBOX is designed for installations where the CHQ "Smart-Fix" Modules (CHQ-DIM, CHQ-SZM, CHQ-DZM, CHQ-DSC, CHQ-MRC, CHQ-DRC, plus SCI versions) require mounting within a glanded enclosure. The unit features ten knock-outs suitable for cable glands and accepts the CHQ Modules directly as a lid.

### Fixing the Backbox

- ❑ The CHQ-BACKBOX should be fixed to a dry, stable fixing surface. Using the template on the reverse of these instructions, determine the fixing position of the box, ensuring each of the four drill holes on the template is marked clearly on the fixing surface.
- ❑ Drill the four holes in the fixing surface according to the required fixing method being used.
- ❑ Select the cable-entry knock-outs that are required, refer to CHQ Module Installation Instructions for wiring details, including number of cables. Remove with the tip of a screwdriver or similar tool. Fit appropriate cable glands.
- ❑ Fix the box to the fixing surface with appropriate fixings (not supplied) but **DO NOT OVERTIGHTEN** as this may damage the box.

### Wiring the Cables

Due to the rigidity of certain fire system cables we recommend, where possible, that the cables are brought into the box (through cable glands) on the **OPPOSITE** side of the box to the required terminal block on the CHQ Module (see Fig 1). Wiring in this way allows the cables to be easily manoeuvred into position to reach the terminal blocks without being obstructed by the ends of the cable glands. If this is not possible, strip the outer cable sheath back to the glands and bend the inner wires to reach the required terminal block (see Fig 2).

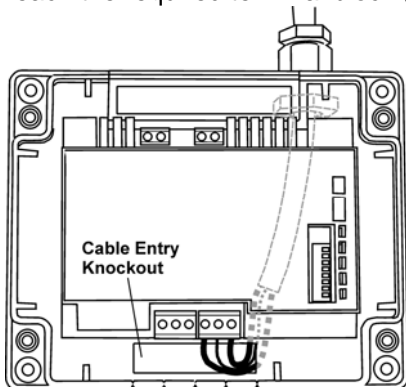


Fig 1.

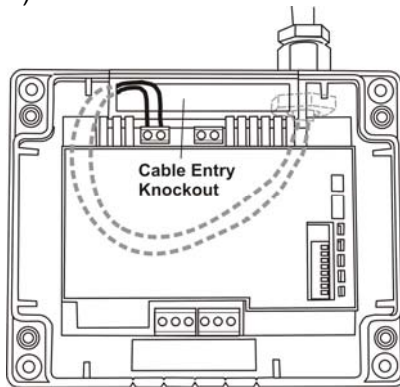


Fig 2.

## Assembling the Unit

Once the cables have been connected, fix the CHQ Module directly to the CHQ BACKBOX utilising the four screws (supplied with the module). Finally add the module cover to the module, thus creating a sealed lid to the back box.

