

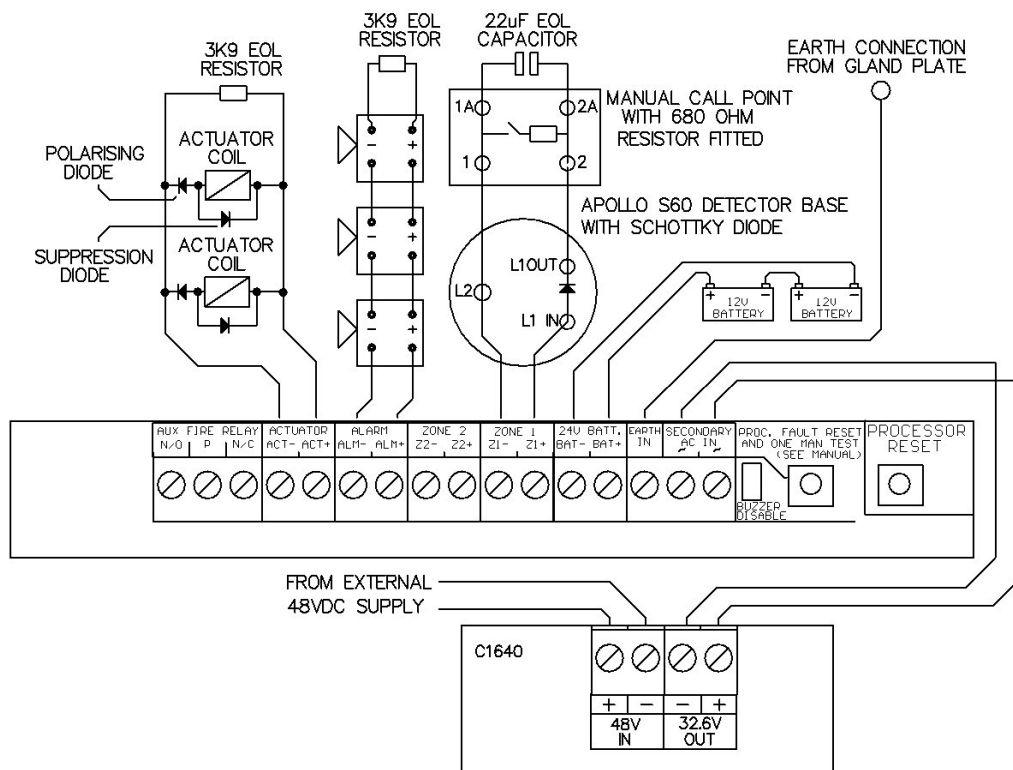
C1640 DC-DC Converter Installation and Commissioning Manual

This document must be read in conjunction with document **cbnfinst.doc**. This document describes the function of the C1640 DC-DC converter and its use with the CB200 2 Zone Panel.

The C1640 DC-DC converter is intended for use only with the C1639 CB200 2 Zone Panel. It replaces the A.C. mains transformer in installations that do not have a 230VAC mains supply available. The board requires an input supply voltage of 48V d.c. ($\pm 10\%$) and provides a regulated output voltage of 32.6V d.c., which is suitable for direct connection to the **SECONDARY AC IN** terminals on the C1639 CB200 2 Zone Panel. The connection to the **SECONDARY AC IN** terminals is not polarity sensitive because there is a bridge rectifier on the CB200 2 Zone Panel.

Batteries may also be connected to the CB200 Panel as detailed in **cbnfinst**. If batteries are not fitted then a 3K9 monitoring resistor should be fitted across the **BAT-** and **BAT+** terminals on the panel.

Typical Terminal Wiring Schematic:



Technical Specifications

Input Voltage	48V $\pm 10\%$
Maximum input Current	1A FUSED
Maximum output Current @32.6V	1.3A NOT FUSED
Dimensions	76mm (W) X 76mm (L) X 35mm (H)