

# SDX-15 Alarm System Computer Interface



About this manual

When you see this symbol, the associated text in **bold type** refers to something which may cause danger or damage.

The Computer Interface decodes the SDX MEDCON multiplexed signals and switches relays which provide volt-free contacts for each alarm condition. The contacts are grouped in groups of 4 contacts with a common. This corresponds with one gas, condition number 1 being the first alarm condition below the normal lamp e.g., Change Cylinders.

## Mounting

Fix the plastic box securely to the wall using the mounting holes at each corner.

## Connecting

Bring the cables into the box using the holes provided.

Remove the **“Warning”** cover to reveal the mains terminals.

Connect 230-volt 50/60 Hertz live, neutral & earth to the appropriate terminals.

Make a small cutout in the side of the cover to allow the cable to pass and replace the cover.

The two core inter-panel wiring is connected to a signal terminal 1 & 2

(using a cable size of at least 0.5sq mm, the cable may be a maximum of 500 meters long).

The cable screen must be connected to the adjacent **“S”** terminal.



This equipment is not suitable for connection to an IT power source.

A readily accessible disconnect device must be provided.

The supply must be fused at 3 amps.

The Maximum Prospective Fault Current must not exceed 1500 amps.

The cable must not be shared with any other system. Cables must have a minimum of 20mm clearance from all other cables.

## Outputs

Connect relay outputs as required.

The contacts are closed, opening in the event of an alarm condition or power failure.

The contacts are rated at 50v, 0.5A resistive

Output signals should be within 3 Meters of Interface

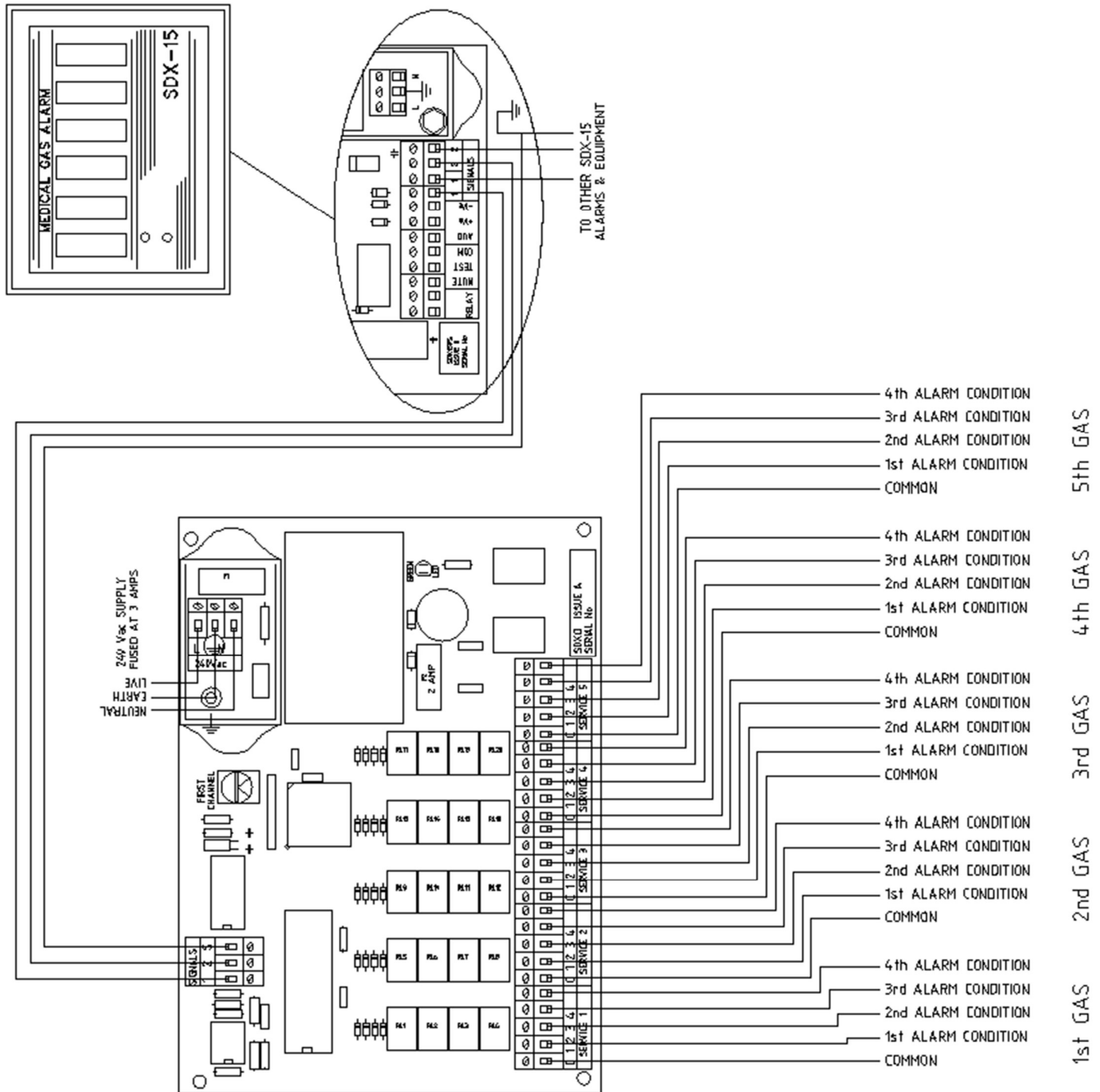


Figure 1: Alarm & Interface Set-up