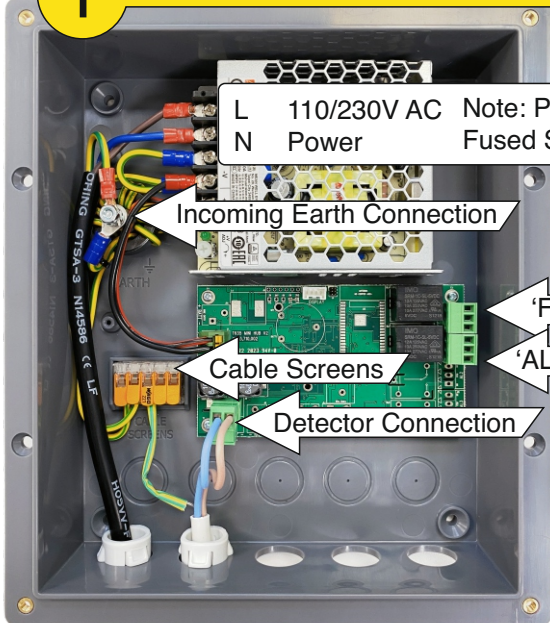# 1 Basic Connection Details

For full instructions please refer to the IGD 2-Wire Addressable Systems Installers Guide. This includes full wiring details, cable types installation details and detector positioning information

L   110/230V AC   Note: Power Via
N   Power   Fused Spur

Incoming Earth Connection

'Fault' Relay

'AL1 or 2' Relay

Fault & Alarm Relays Normally Energised

Cable Screens

Detector Connection

Scan QR Code to open Full Installers Guide

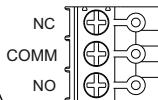Acceptable Cable Types:

1.5mmSQ CY
1.5mmSQ FP
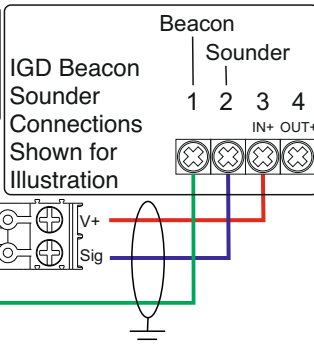
Insulate Cable Screen Wires

Screen Terminal Block Provided

Fit Terminator Provided on Last Device

No Cable Polarity Required

Beacon Sounder Connection Active on First Alarm Level Note Cable Screening

NC
COMM
NO

Alarm Relay Active on Second Alarm Level. Note Screening not Required

IGD Beacon Sounder Connections Shown for Illustration

Beacon
Sounder
1   2   3   4
            IN+ OUT+

Sig

V+
Sig

TOC-635 Quick Start Guide   Doc Ref SL-049 v1 Pg1
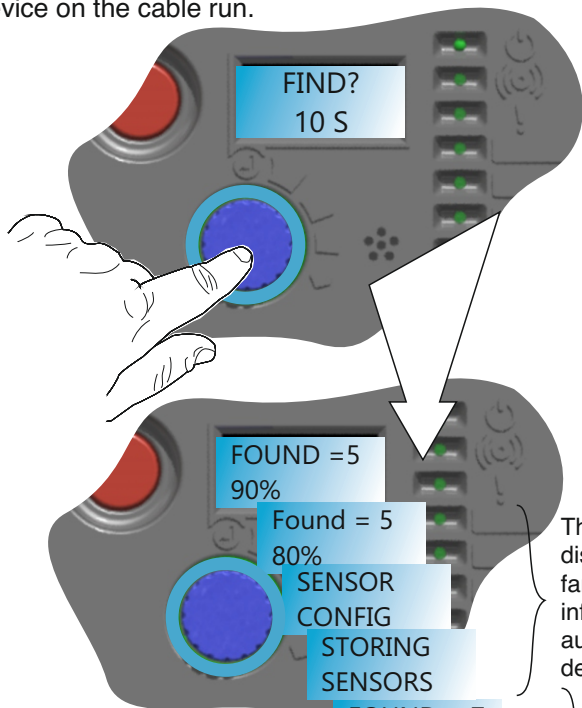
2 FIND AND INSTALL DEVICES

Scan QR Code to open
Full User Manual

For full instructions please refer to the IGD 2-Wire Addressable Systems Installers Guide. This includes full wiring details, cable types installation details and detector positioning information

Ensure stage 1 installation is complete and a terminator is fitted as indicated to the last device on the cable run.

FIND?
10 S

On power up the TOC-635 controller software will display the software versions and checksums. The option to run the 'FIND' OPTION is displayed for 10 seconds. Pressing the jog wheel during the 10 seconds 'FIND' display will make the system search and FIND connected devices. Note that detector nodes are supplied pre-calibrated.

FOUND =5
90%

Found = 5
80%

SENSOR
CONFIG

STORING
SENSORS

The system will first search for detectors, displaying how many it has found and how far through the FIND process it is. Channel information and alarms levels are automatically configured from the found detectors.

FOUND = 7
95%

RELAY
CONFIG

The system will then search for relays, displaying how many it has found and how far through the FIND process it is.

SENSORS
STORED 6

RELAYS
STORED 9

The system advises how many sensors and relays have been found and added to the system. Check this is correct.

Note:
Once the system has found all devices and configured itself:

Any SSR outputs found on detector nodes (typically beacon sounder outputs) will be active on alarm level 1.

Any relay outputs found on detector nodes will be active on alarm level 2.

Alarm levels are set to UK EH40 levels and can be modified using the menu system.

WARMUP
900 S

The system now goes through a warm up period to allow detectors to stabilise

6 = CO2
495 PPM

Once warm up has been completed the system is operational. The display will change to green and cycle sequentially to show each detector and its readings in turn.

Once the system is operational test gas kits can be used to 'bump' test detectors and witness alarm activations. IGD recommend 6 monthly calibration checks.