# GDX Audio and Video Door Entry

## Beacon and Sounder Unit Installation Guide
## Ref. HSOT-002 V1.0 August 2023

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W I T H • Y O U • A L W A Y S

# Health and Safety

Please read all these instructions and save them for later use.

The installation of this system must meet the requirements of the country of installation's National Wiring Regulations (BS7671, IET National Wiring Regulations in the UK) and EN60950-1. It must only be carried out by suitably competent, qualified and experienced personnel.

> **❶**      **Injury or death by electric shock may result if ignored.**

It must also comply with any local Fire, Health and Safety regulations. A secured door that may be part of an escape route must always be fitted with the following.

- A fail-safe lock so that the door will be released if the power fails. Ideally a magnetic lock should be used as these are less likely to jam or seize.
- A normally-closed break-glass or manual pull in the lock supply wiring so that in an emergency the fail-safe lock can be immediately powered off.

> **❶**      **Risk of injury or death if ignored.**

The controller must be earthed.
Isolate the controller power supply before working on the controller.

> **❶**      **Failure to do so may damage the unit.**

## Cabling

The cabling used in the control systems, should be routed in a manner to avoid running alongside any heavy load switching signals either within equipment or wiring. Alternatively, you can use screened cable to reduce interference and/or cross the cable at right angles every 3.3–6.6ft / 1–2m to reduce the interference if possible.

### Communications Cabling

> **▤**      **Use CW1308 or a minimum of CAT5e U/UTP, multi-core, twisted pair with a bare/plain copper conductor.**

### Cabling for Lock Power

> **▤**      **2-core 0.75mm standard flex**

## ESD Precautions

The product contains static-sensitive devices and earth grounding strap should be worn when handling the hardware.

## RFID Devices

RFID technology is now widely used in a number of industries, it is possible that interaction between your credential and other devices in the vicinity may cause incorrect operation or recognition. Should you suspect that you have experienced such a problem, ensure the interfering device is out of range. **This only applies if any RFID devices have been fitted**

## WEEE Directive and Product Disposal

At the end of its serviceable life this product should not be treated as household or general waste.

It should be handed over to the applicable collection point for the recycling of electrical and electronic equipment or returned to the supplier for disposal.

## Lithium Batteries

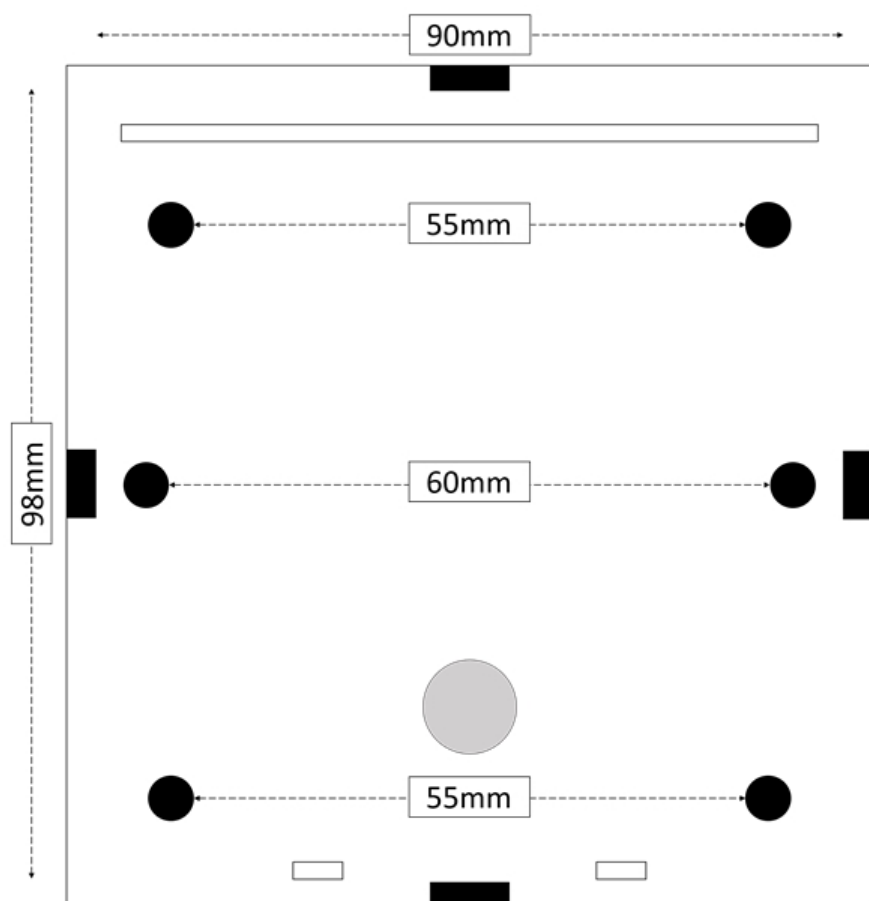Failure to read the following guidelines carefully may result in injury.

There is a danger of explosion if lithium batteries are incorrectly replaced or handled.

- Ensure that lithium batteries are never short circuited.
- Always store lithium batteries separately in non-conducting materials.
- Never replace a lithium battery with the incorrect type.
- Lithium batteries should be disposed of safely and legally according to your local area, state or country laws.

## Equipment Electrical Rating

All electrical equipment should have electrical ratings clearly stated on an identification label and in any documentation provided. Any applicable fuse ratings will also be specified within the documentation.
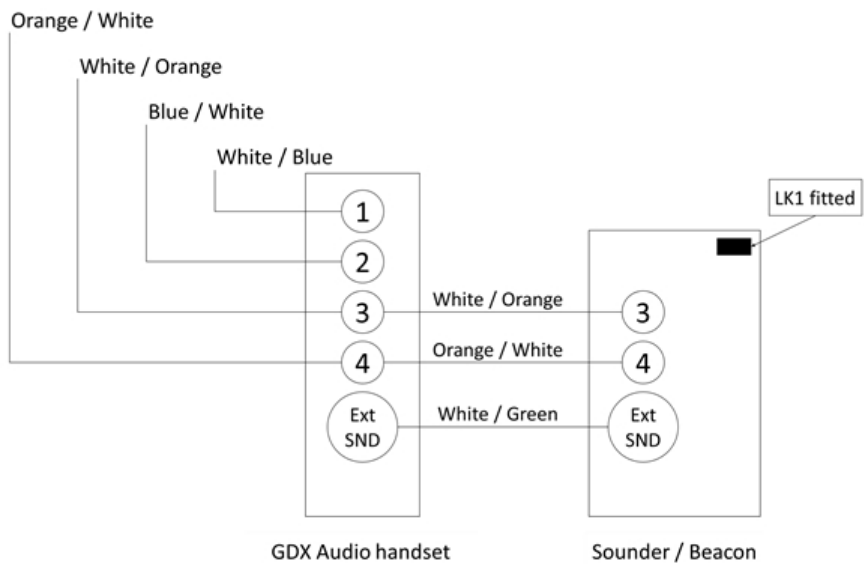
## Dimensions



90mm

98mm

55mm

60mm

55mm

● 4.5mm holes for single gang backbox mounting

● 4.5mm mounting holes

○ 10mm cable entry point

▬ Cable entry points

# Beacon and Extension Sounder

> ❗ **If problems arise due to voltage drop, cables 3 & 4 should be doubled up between the handset and Beacon/Sounder unit.**

> 📧 **Max. cable length of 25m (cumulative total)**

Orange / White
White / Orange
Blue / White
White / Blue

| 1 |
| 2 |
| 3 | White / Orange | 3 |
| 4 | Orange / White | 4 |
| Ext SND | White / Green | Ext SND |

LK1 fitted

GDX Audio handset          Sounder / Beacon

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