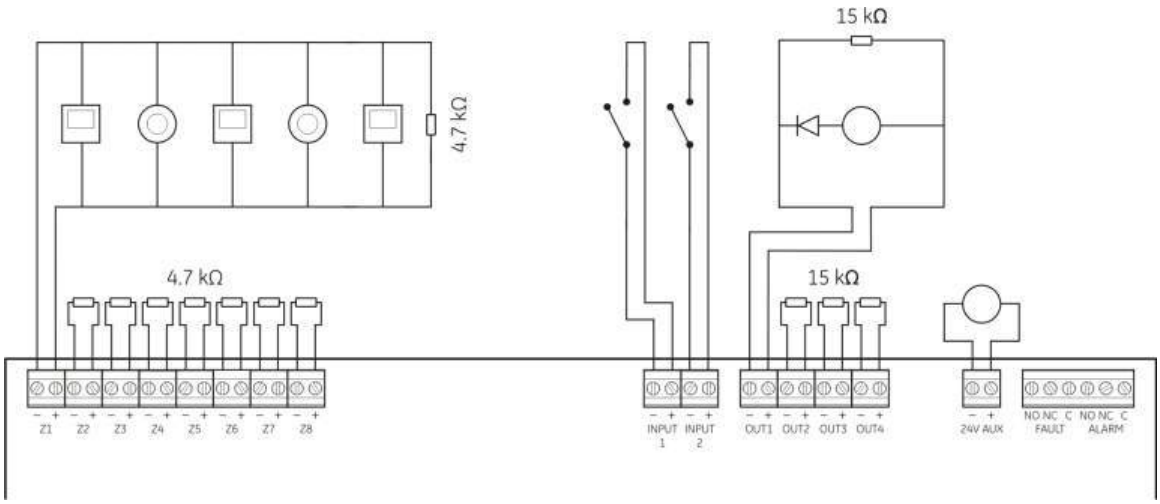
# 1X-F Series Quick Installation Guide

**Figure 1: Zone and device connections**




## Overview

This document provides quick installation information for your product. For detailed installation information, including EN 54-13, intrinsically safe, and BS 5839-1 operating mode requirements, see the installation manual.

## Zones and zone devices

Connect zone wires and devices as shown in Figure 1.

| **Line resistance** | |
|---|---|
| Mixed zones | 40 Ω max. |
| Automatic / manual zones | 55 Ω max. |

| **Detectors and manual call points per zone** | |
|---|---|
| Dx700 series detectors | 20 max. |
| Other detectors | 32 max. [1] |
| Manual call points | 32 max. |

[1] Or as defined by local codes and standards

| **Manual call point resistance** [1] | |
|---|---|
| Mixed zone | 100 Ω |
| Manual zone | 100 to 680 Ω |

[1] Resistance must be rated at 1 W min.

## Inputs and outputs

The function of inputs and outputs is defined by the operating mode.

| **Inputs** | | |
|---|---|---|
| EN 54-2 | Remote reset | Delays off |
| EN 54-2 Evacuation | Remote reset | Delays off |
| EN 54-2 Scandinavia | Fire routing / extended fire routing delay [1] | Delays off |
| BS 5839-1 | Class change | Delays off |
| NBN S21-100 | Remote reset | Delays off |
| NEN 2535 | Fire routing inhibit delay | Delays off |

[1] Four- and eight-zone control panels only.

Input circuits should have a maximum resistance of 100 Ω (including any cable resistance).

| **Sounder outputs** | |
|---|---|
| EN 54-2 | OUT1, OUT2, and OUT3 |
| EN 54-2 Evacuation | OUT1, OUT2, OUT3, and OUT4 |
| EN 54-2 Scandinavia | OUT1, OUT2, and OUT3 |
| BS 5839-1 | OUT1, OUT2, OUT3, and OUT4 |
| NBN S21-100 | OUT1 and OUT2 (Evacuation sounders)<br>OUT3 and OUT4 (Warning sounders) |
| NEN 2535 | OUT1 and OUT2 |

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**Fire routing outputs**

| | |
|---|---|
| EN 54-2 | OUT4 |
| EN 54-2 Scandinavia | OUT4 |
| NEN 2535 | OUT3 (automatic)<br>OUT4 (manual) |

## Mains fuses and batteries

**Mains fuses**

| | |
|---|---|
| 110 VAC [1] | T 3.15A 250V |
| 240 VAC | T 2A 250V |

[1] See your installation manual for 110 VAC operation requirements.

**Batteries**

| | |
|---|---|
| Two- and four-zone panels | 12 V, 7.2 Ah |
| Eight-zone panel | 12 V, 7.2 Ah or 12 V, 12 Ah |

## Basic configuration

**Default configuration**

| | |
|---|---|
| Operating mode | 01 (EN 54-2) |
| Zone end-of-line | Passive |
| Zone type | Mixed |

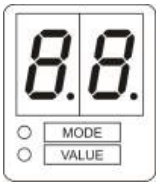
The configuration controls are located on the control panel interface.

**Configuration controls**

| Button | Function |
|---|---|
| 1 | Scroll to the next configuration menu on the seven-segment display. |
| 2 | Scroll to the next configuration value for the active menu on the seven-segment display. |
| 3 | Scroll to the previous configuration menu on the seven-segment display. |
| 4 | Scroll to the previous configuration value for the active menu on the seven-segment display. |
| Enter | Confirm a menu selection or a value selection entry. |

The configuration controls are also used to enter the user level password. The seven-segment display is visible when the control panel cover is removed.

**Seven-segment display**




| LED | Indications |
|---|---|
| Mode | Steady: Select a *menu* using buttons 1 and 3.<br>— or —<br>Flashing: Select a *submenu* using buttons 1 and 3. |
| Value | Steady: Select a *value* using buttons 2 and 4. |

### Basic configuration menu

Selected options from the basic configuration menu are shown below. The default password for basic configuration is 3333.

| Display | Menu | Values |
|---|---|---|
| bA | Basic default configuration | 01 to 32 |
| Sd | Sounder delay | 00 to 10 minutes |
| Fd | Fire routing delay | 00 to 10 minutes |
| FE | Extended fire routing delay | 00 to 10 minutes |
| rC | Restore previous configuration | |
| FC | Restore factory configuration | |
| E_ | Exit without saving | |
| ES | Exit and save | |

### Basic default configuration presets

A selected list of basic default configuration presets is shown below. For a detailed list of all available configuration presets and characteristics, see your installation manual.

| Display | Operating mode | Zone type |
|---|---|---|
| 01 | EN 54-2 | Mixed |
| 05 | EN 54-2 Evacuation | Mixed |
| 07 | EN 54-2 Scandinavia | Mixed |
| 11 | BS 5839-1 [1] | Mixed |
| 21 | NBN S21-100 | Odd zones: Automatic<br>Even zones: Manual |
| 31 | NEN 2535 | Odd zones: Automatic<br>Even zones: Manual |

[1] Requires an active end-of-line device for zone termination.

## Contact information and product documentation

For contact information or to download the latest product documentation, visit firesecurityproducts.com.

## Product warnings and disclaimers

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