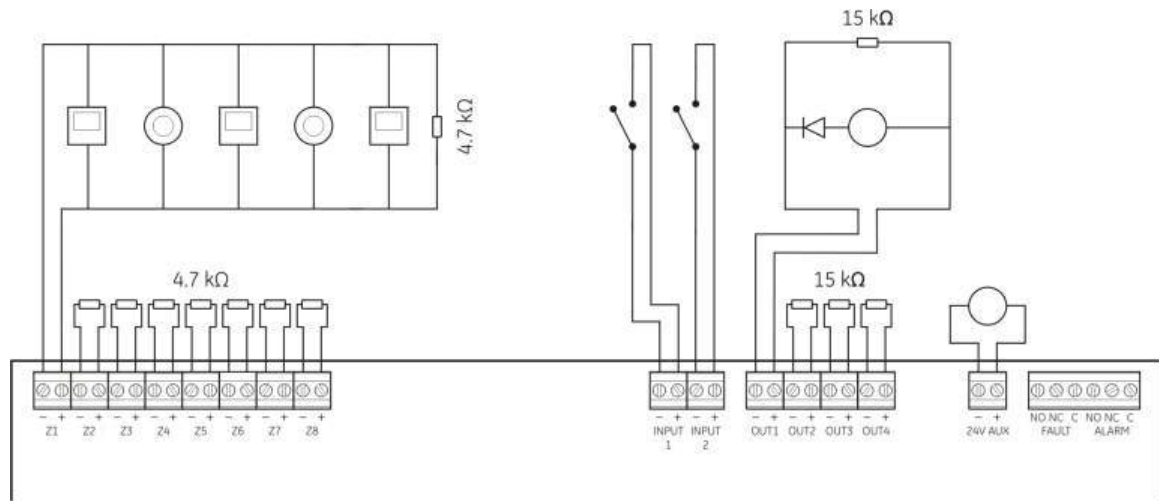# aritech

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) OUT3 and OUT4 (Warning sounders)
NEN 2535	OUT1 and OUT2

Fire routing outputs

EN 54-2	OUT4
EN 54-2 Scandinavia	OUT4
NEN 2535	OUT3 (automatic) 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
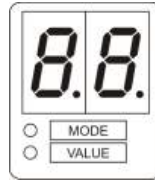
LED	Indications
Mode	Steady: Select a *menu* using buttons 1 and 3. — or — Flashing: Select a *submenu* using buttons 1 and 3.
Value	Steady: Select a *value* using buttons 2 and 4.

Basic configuration menu

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

Display		Menu	Values
b	A	Basic default configuration	01 to 32
S	d	Sounder delay	00 to 10 minutes
F	d	Fire routing delay	00 to 10 minutes
F	E	Extended fire routing delay	00 to 10 minutes
r	C	Restore previous configuration	
F	C	Restore factory configuration	
E	_	Exit without saving	
E	S	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 Even zones: Manual
31	NEN 2535	Odd zones: Automatic Even zones: Manual

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

Contact information

For contact information, see firesecurityproducts.com.