
Introduction

FireClass Essential Panels are EN-approved, low cost conventional panels that are available in both 2 Zone and 4 Zone variants. The panels can support up to 128 devices with a maximum of 32 devices on each zone. The panels are approved to EN 54-2, EN 54-4, and listed as part of the EN 54-13 system certificate.

The panel UI has the following features:

- 18 LEDs on the 2 Zone Panel and 22 LEDs on the 4 Zone Panel
- One piezo buzzer for audible indication
- Eight push buttons for user inputs

Figure 1: FireClass Essential 2 Zone Panel

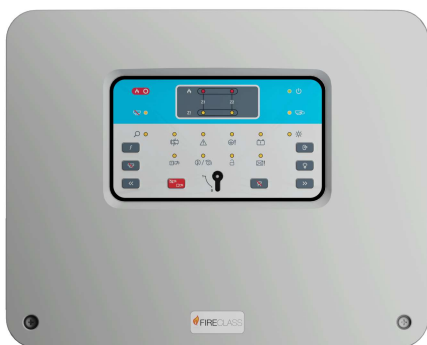
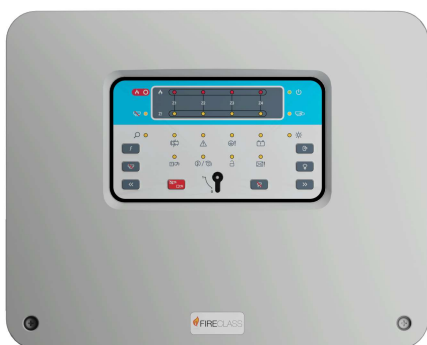


Figure 2: FireClass Essential 4 Zone Panel



Features

- Modern and aesthetic design
 - Surface mountable
 - Option to set delays for outputs during alarm
 - Buttons for silence, resound, and reset
 - Two open collector outputs
 - Disable feature for sounders and zones
 - Volt-free fire and fault relays
 - Test feature for installation
 - Two auxiliary inputs: alert input and class change input
 - Support for all FireClass 600 and 700 series conventional detectors, conventional sounders, and VADs
 - Support for third party devices
- ❶ **Note:** For full details on all the supported devices, refer to the EN 54-13 certificate.
- Fully compliant with EN 54-2, EN 54-4, and is listed as part of the EN 54-13 system certificate

Order information

Table 1: Order information

SKU	Product
508.032.730	FireClass Essential 2 Zone Panel
508.032.731	FireClass Essential 4 Zone Panel
508.032.732	FireClass Essential 4 Zone Panel Main System Board
508.032.733	FireClass Essential 2 Zone Panel Main System Board
PS-1230	12 V, 3.4 Ah Battery
508.031.752	BAW50T24 Switched-Mode PSU/Battery Charger Max 1.8 A at 27.6 VDC

Specifications

Table 2: Panel specifications

Item	2 Zone Panel	4 Zone Panel
Mechanical data		
Dimensions	282 mm x 352 mm x 86 mm (H x W x D)	
Weight	2.15 kg, without batteries	
IP rating	IP30	
Ambient conditions		
Operating temperature	-5°C to 40°C	
Humidity	Up to 95% non-condensing	
Electrical characteristics		
Supply voltage	230 VAC -15/+10%, 50/60 Hz	
Maximum battery size	2 x 12 V, 3.4 Ah	
PSU and charger output	27.6 V and 1.8 A	
Features		
Enclosure colour	RAL 7035	
Maximum devices for each zone	25 detectors or 32 detectors and manual call points combined	
Zones	2	4
Sounder outputs	2 at 0.4 A each	
Auxiliary inputs, non-latching	2	
Outputs		
Open collector outputs	1 reset and 1 remote at 0.1 A each	
Auxiliary power output, supervised	1 at 0.25 A, 24 VDC nominal	
Auxiliary power output, unsupervised	1 at 0.5 A, 24 VDC nominal	
Volt-free relays	1 fire and 1 fault	
Standard compliance		
EN 54-2	X	
EN 54-4	X	
EN 54-13	X	

Approvals

Table 3: Approvals

	 0051 23 Tyco Fire and Security GmbH, Victor von Bruns-Strasse 21, 8212 Neuhausen am Rheinfall, Switzerland.	EN standards				European type approvals					International listings		
		EN 54-2	EN 54-4	EN 54-13	MED	LPCB	VDS	AFNOR	FNO	SBSC	FP ANZ	HK FSD	TFTF
FireClass Essential Panel	DOP-2022-4307	x	x	x									

All required declarations and certificates are publicly available on the website www.fireclass.com and are searchable by number or model name. The above fire detection products are components designed for use in conventional systems exclusively available to registered partners only. They are intended for installation by trained registered personnel only. Systems should be installed and configured according to local regulations.