



# FireClass Essential Panels Datasheet

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## 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
  - ❗ **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			MED	European type approvals					International listings		
		EN 54-2	EN 54-4	EN 54-13		LPCB	VDS	AFNOR	FNO	SBSC	FP ANZ	HK FSD	TFTF
FireClass Essential Panel	DOP-2022-4307	x	x	x									