Panasonic

Fire alarm systems
External Fire Brigade Panel 1828

- Control (key required) and indicating panel for the fire brigade personnel, etc.
- Compact size

Ext. Fire Brigade Panel

This unit (S/W V1.2) is primarily intended to be used by the fire brigade personnel, i.e. for pre-warning, co-incidence, fire and heavy smoke / heat alarm presentation. Point or zone alarm presentation and fire alarm reset are as in the c.i.e. it is connected to. You can scroll amongst two or more alarms in the system. All or selected alarms will be presented in a display (LCD, 2x40 characters with back-light). An alarm text will be presented together with each alarm, if programmed in the c.i.e. Furthermore, ≥617 texts for selected alarms can be stored in the unit and will in such a case be shown, instead of the texts sent from the c.i.e. for these alarms. A built-in buzzer will sound like in the c.i.e. Any fault in the system will be presented as "General fault in system" and the buzzer will sound. The unit is power supplied via the c.i.e. or ext. power supply.

LEDs, push buttons etc.

The unit has the following LEDs:

- **Fire** and **Alarms queued**, indicating pre-warning, co-incidence, fire and heavy smoke / heat alarm
- **Operation**, indicating that the unit is connected to a c.i.e. and power supplied, i.e. it is in operation.
- **Extinguishing**, indicating activated output for Extinguishing equipment.
- **Ventilation**, indicating activated output for Ventilation equipment.
- **Fire brigade tx**, indicating activated output for Fire brigade tx (routing equipm.).

The unit has the following push buttons:

- **Alarms queued**, used to scroll amongst the alarms.
- **Silence buzzer**, used to silence the buzzer (it will re-sound for a new alarm.
- **Silence alarm devices**, used to silence the alarm devices (they will re-sound for a new alarm.
- **Reset**, used to reset the fire alarms.

The designation texts on the front are in 1828SE in Swedish but a neutral front for other languages is available (1828CC).

Compact size

The compact size enclosure is made of grey high impact ABS. Fitted with a supplementary "O" ring gasket, it will comply with IP61, in respect of dust and moisture. A key is required to get access to the push buttons and they are disabled until they are supposed to be used. A key is not required for the alarm presentation and to silence the buzzer. Two compression glands are attached. The unit shall be wall mounted.

SW mode and address setting

The display and the push buttons are used to set the **SW mode** and **address**, see the opposite side of this page.

Product application

The 1828 unit is intended for indoor use and in dry premises. SW mode **1826/28 - 1587** is intended to be used in the systems EBL512 and EBL128 SW mode **1826/28 – 1582** in the systems EBL500 / 512 / 1000 / 2000.

Panasonic Electric Works Fire & Security Technology Europe AB
Citadellsvägen 23, SE-211 18 Malmö, Sweden
Tel: +46 (0)40 697 70 00 • Fax: +46 (0)40 697 70 99
info-fste@eu.pewg.panasonic.com • www.panasonic-fire-security.com

Type numbers	
1828	External Fire Brigade Panel (S/W V1.2). **1828SE / 1828CC**: Designation texts on the front in Swedish / see below. **NOTE!** In Swedish convention (SBF): No "General fault" presentation.
1582	External FBP interface board. (Required in EBL**512** / 500 when SW mode 1826/28 – 1582 shall be used.)
1587	External FBP / DU interface board. (Required in EBL**512** when SW mode 1826/28 – 1587 shall be used. EBL512 software V≥2.3.2 [1] required.)
2431	Connection board. (Required in EBL**1000**. SW mode 1826/28 – 1582 only.)
4552	RS485 Transceiver component / comm. module. (Required in EBL**128**. SW mode 1826/28 – 1587 only. EBL128 software V≥1.0.5 [1] required.)

[1] Only required if the new function ("General fault" presentation) shall be used.

NOTE! The number of ext. FBPs that can be power supplied via the c.i.e. / board / external power supply, is depending on all other units connected to the same c.i.e. / board / external power supply.[2] Up to 1200 m cable can be used.

1828**CC** is a unit with a neutral front where the designation texts by production are made separately and put into a transparent "text slot" for the LED and push button respectively. **CC**=Country Code.

The ext. FBP 1828 can run in one of two different SW modes:

a) 1828 in SW mode 1826/28 – 1587 has the highest performance with regard to functionality, response time, ability to store fire alarms, etc. and is an alternative to the ext. Presentation display 2428, the Display unit 2236 and a compact size alternative to the ext. FBP 2426 but not as a spare part, since 1828, in this SW mode, requires an Ext. FBP / DU interface board 1587 in the EBL512 c.i.e. and the look, dimensions, etc. are not the same.
This mode is always used when the ext. FBP is connected to EBL128.

b) 1828 in SW mode 1826/28 - 1582 is an alternative to the ext. Presentation display 2428, the Display unit 2236 and a compact size spare part to the ext. FBP 2426, i.e. the performance is the same[3] but the look, dimensions, etc. are not the same. 1828, in this SW mode, requires an Ext. FBP interface board 1582 in the EBL512 / EBL500 c.i.e.

Technical data	
Voltage (V DC)	
rated	24
allowed	12-30
normal (in the system)	24
normal (in the system by battery back-up)	21-27
Current consumption at norm. volt. (mA)	
Ext. FBP 1828	
quiescent / active	**26** (at 24 V), 48 (at 12 V) / **49** (at 24 V), 88 (at 12 V)
Ambient temperature (°C)	
operating	0 to +40
storage	-40 to +70
Ambient humidity (% RH)	max. 90, non condensing
Ingress Protection rating (estimated)	IP61 (with the "O" ring gasket)
Size W x H x D (mm)	220 x 145 x 50
Weight (g)	750
Colour (high impact ABS)	Grey (RAL 7035)
Approvals	CE; Conforms with EN54-2 and –4 whenever applicable. Conforms with SS3654 edition 1.

[2] On each 1582 board are up to eight addresses available and on each 1587 board up to sixteen addresses. In EBL128 are up to four addresses available.
[3] Note! The alarm presentation will be as in the c.i.e. that ext. FBP is connected to, not as in 2425 / 2426. The 1828 front does not hold any LED "Zone/Detector not reset".

Product Leaflet	Date of issue	Revision / Date of revision
MEW00336	2003-04-15	4 / 2007-01-29