



## Fire alarm systems External Fire Brigade Panel 1828

- Control and indicating panel for the fire brigade personnel (key required)
- Indicating panel for all personnel (key not required)
- Compact size

### Ext. Fire Brigade Panel

This unit is primarily intended to be used by the fire brigade personnel, i.e. for pre-warning, co-incident, 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. When there are queued alarms in the system, you can scroll amongst them. All or selected alarms will be presented in a display (LCD, 2x40 characters with back-light). A user definable text message will be presented together with each alarm, if programmed in the c.i.e. Furthermore,  $\geq 617$  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. It can be silenced and the alarm devices in the installation can also be silenced. They will re-sound for a new alarm. 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-incident, 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 that outputs for Extinguishing equipment are activated.
- **Ventilation**, indicating that outputs for Ventilation equipment are activated.
- **Fire brigade tx**, indicating that outputs for Fire brigade tx (routing equipm.) are activated.

The unit has the following push buttons:

- **Alarms queued**, used to scroll amongst the alarms.
- **Silence buzzer**, used to silence the buzzer.
- **Silence alarm devices**, used to silence the alarm devices.
- **Reset**, used to reset the fire alarms.

The designation texts are in Swedish but a neutral front for other languages is available, see the opposite side of this page.

### 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. The unit has no door, i.e. the front is accessed directly. 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 the buzzer to sound.

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**.

The SW modes are described on the opposite side of this page.

### Product application

The 1828 unit is intended for indoor use and in dry premises. 1828 in SW mode **1826/28 - 1587** is intended to be used in the systems EBL512 / 128 and in SW mode **1826/28 - 1582** in the systems EBL500 / 512 / 1000 / 2000. For more information see the opposite side of this page.

Type numbers	
1828	External Fire Brigade Panel
1582	External FBP interface board. (Required in EBL512 / 500 when SW mode 1826/28 – 1582 shall be used.)
1587	External FBP / DU interface board. (Required in EBL512 when SW mode 1826/28 – 1587 shall be used. EBL512 software version $\geq 2.2$ is required.)
2431	Connection board. (Required in EBL1000. Only SW mode 1826/28 – 1582 can be used.)
4552	RS485 Transceiver component / comm. module. (Required in EBL128. Only SW mode 1826/28 – 1587 can be used.)

**NOTE!** The number of ext. FBPs that can be power supplied is depending on all other units connected to the same c.i.e. / board / external power supply.<sup>1</sup> Up to 1200 m cable can be used. In EBL128 is no separate interface / connection board required, only the 4552 component.

The unit is available 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.

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<sup>2</sup> 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	<b>26</b> (at 24 V), 48 (at 12 V) / <b>49</b> (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.

<sup>1</sup> 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.

<sup>2</sup> 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".

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
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