



## **Fire alarm systems**

### **External Fire Brigade Panel 1826**

- Control and indicating panel for the fire brigade personnel
- Built-in printer (option)

#### **Ext. Fire Brigade Panel**


This unit is 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. You can scroll amongst two or more alarms in the system. All or selected alarms will be presented in the unit's 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,  $\geq$  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. 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-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 activated output for Extinguishing equipment.
- **Ventilation**, indicating activated output for Ventilation equipment.
- **Fire brigade tx**, indicating activated output for Fire brigade tx (routing equipment).

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.
-  used for paper feed, when the unit is provided with a printer 1835 (option).

The designation texts on the front are in 1826SE in Swedish but a neutral front for other languages is available (1826CC).

#### **Ext. FBP 1826 & Printer 1835**

The **ext. FBP 1826** consists of a grey metal cabinet with a door. A key is required to open the door, which has a Plexiglas in front of the FBP front, see photo. It has cable inlets on the top, bottom and back sides and is intended to be wall mounted. Two compression glands are attached.

A **Printer 1835** can be mounted in the ext. FBP 1826. It will print all the alarms, including the alarm texts.

#### **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 1826 unit is intended for indoor use and in dry premises. SW mode **1826 – 1587 2nd Cab** is intended to be used in the systems EBL128 /512 / 512 G3 and SW mode **1826 – 1582 2nd Cab** in the systems EBL500 / 512 / 1000 / 2000.

### Type numbers

1826	External Fire Brigade Panel. <b>1826SE / 1826CC</b> : Designation texts on the front in Swedish / see below. <b>NOTE!</b> In Swedish convention (SBF): No "General fault" presentation.
1835	Printer for External Fire Brigade Panel 1826
1582	External FBP interface board. (Required in EBL <b>512</b> / 500 when SW mode <b>1826 – 1582 2nd Cab</b> shall be used.)
1587	External FBP / DU interface board. (Required in EBL <b>512</b> when SW mode <b>1826 – 1587 2nd Cab</b> shall be used. EBL512 software V <sub>≥</sub> 2.3.2 <sup>1</sup> required.)
2431	Connection board. (Required in EBL <b>1000</b> . SW mode <b>1826 – 1582 2nd Cab</b> only.)
4552	RS485 Transceiver component / comm. module. (Required in EBL <b>128</b> . SW mode <b>1826 – 1587 2nd Cab</b> only. EBL128 software V <sub>≥</sub> 1.0.5 <sup>1</sup> required.)

<sup>1</sup> Only required if the 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 if each 1826 unit has a printer or not, as well as all other units connected to the same c.i.e. / board / external power supply. Up to 1200 m cable can be used.

1826CC 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 1826 can run in one of two different SW modes:

**a) 1826 in SW mode 1826 – 1587 2nd Cab** has the highest performance with regard to functionality, response time, ability to store fire alarms, etc. and is intended to succeed the ext. FBP 2426 (1826+printer 1835 will succeed the ext. FBP 2425) but not as a spare part, since 1826, 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 to be used when the ext. FBP is connected to EBL128 / 512 G3.

**b) 1826 in SW mode 1826 – 1582 2nd Cab** has the same functionality as the ext. FBP 2426 and can be used as a spare part (1826+printer 1835 is a spare part for the ext. FBP 2425), i.e. the performance is the same but the look, dimensions, etc. are not the same. 1826, 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 1826	
quiescent / active	<b>26</b> (at 24 V), 48 (at 12 V) / <b>49</b> (at 24 V), 88 (at 12 V)
Printer 1835	
quiescent / active	<b>4</b> (at 24 V), 7 (at 12 V) / <b>161</b> (at 24 V), 345 (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)	IP52
Size W x H x D (mm)	415 x 290 x 128
Weight (g)	
Ext. FBP 1826 (excl. printer)	5000
Printer 1835 (incl. paper roll) / paper roll	345 / 110
Colour (metal cabinet / door)	Light grey (NCS S 1500-N, PMS Cool grey 2) & aluminium sides.
Approvals	CE; Conforms with EN54-2 and -4 whenever applicable. Conforms with SS3654 edition 1.

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. In EBL512 G3 are up to sixteen addresses available.

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
MEW00277	2003-04-15	6 / 2011-03-09