

## **EBL512, 1548, 1549, 1550**



### **Features**

- EBL512 is an intelligent analog addressable fire alarm system
- Up to 512 addresses per control and indicating equipment (c.i.e.)
- TLON network for up to 30 c.i.e.:s

### **Analog addressable system**

EBL512 is an intelligent analog addressable fire alarm system, conforming to the EN54-2 and -4 standards.

### **Features/functions**

The fire alarm system **EBL512** meets the most stringent requirements relating to fire detection and alarm.

A user-friendly PC software **Win512** is used for site specific data editing, download, backup and SW download.

### **Some features/functions:**

- **Adaptation** of each analog detector's alarm level in relation to its contamination. Service signal when required.
- **Algorithms** for filtering and alarm, to reduce nuisance alarms. Algorithm for faster detection of smouldering fires.
- **Functions**, customer related: Test mode alert annunciation, disablements, etc.
- **Functions**: Fire door closing, interlocking combinations of outputs and inputs, time channels, alarm delay, two-unit dependence, user definable text message for each alarm point, etc.
- **Programmable inputs and outputs** and a large number of trigger conditions.
- **Expansion boards** (options) with zone line inputs or relay outputs.
- **Interface** (option) for external fire brigade panels, alert annunciation units, data converters, etc.

### **Up to 512 addresses**

EBL512 has the capacity of connecting 512 addresses. Basic configuration is 128, 256 or 512 addresses. Can be upgraded on site.

Each c.i.e. has four COM loops for connection of up to 512 loop units. Each addressable loop unit uses one address.

Some **loop units** that can be connected:

- Analog detectors (sensors)
- Addressable manual call points
- Addressable short circuit isolators
- Addressable input and output units
- Addressable sirens & sounder bases
- Addressable external power supply units
- Conventional detectors and manual call points

### **TLON Network**

Up to 30 EBL512 c.i.e.:s can be connected to a TLON network. A TLON connection board 1590 is then required in each c.i.e.

### **Miscellaneous**

EBL512 has space in the cabinet for two sealed lead acid batteries (24Ah).

In each c.i.e. up to six expansion boards 1580-1587 can be mounted. The most modern types of display units, i.e. the ext. FBPs 182x and the Alert annunciation units 173x, should be connected via a 1587 board.

Web-server 1588 (option) connects system EBL512 to Internet/an Intranet (LAN).

Type numbers	
1548	EBL512 c.i.e., excluding printer, configured for 128, 256 or 512 addresses.
1549	EBL512 c.i.e., including printer, configured for 128, 256 or 512 addresses.
1550	EBL512 c.i.e., excluding front panel, excluding printer, configured for 128, 256 or 512 addresses.
1558	Printer board (option for 1548).
1580	8 zones expansion board (8 zone line inputs for conventional detectors).
1581	8 relays expansion board (8 programmable relay outputs).
1582	External FBP interface board (for connection of data converters and the "older" types of external FBPs).
1583	German FBP interface board (for connection of a "Feuerwehr-Bedienfeld", including a VdS Standardschnittstelle "Löschen").
1584	Autronica interface board (for connection of Autronica, BS100 units).
1585	Connection cable (male-male) for the 1580-1587 boards (no. 1 -> 2 and no. 5 -> 6)..
1586	Connection cable (female-female) for the 1580-1587 boards (no. 3 -> 4).
1587	External FBP/DU interface board (for connection of the newest types of display units, e.g. external FBPs (1826/1828) and alert annunciation units (1735/1736)).
1590	TLON connection board (for TLON network). One board in each c.i.e.

Technical data	
<b>Voltage primary (V AC)</b> <b>secondary system (V DC)</b>	230 24
<b>Current consumption (mA)</b>	Depending on type (1548-1550), expansion board(s), etc. see EBL512 planning instructions.
<b>Ambient temperature (°C)</b> <b>operating</b> <b>storage</b>	0 to +40 -40 to +70
<b>Ambient humidity (% RH)</b>	Max. 90, noncondensing
<b>Ingress protection rating (estimated)</b>	IP22
<b>Inputs</b>	4 COM loops for 128, 256 or 512 addresses 4 programmable
<b>Outputs</b>	4 programmable supervised voltage outputs 2 programmable relay outputs Relay outputs for routing equipment (fire brigade tx and fault tx) Power supply (24VDC) for routing equipment and external equipment
<b>Size W x H x D (mm)</b>	400x610x175
<b>Weight (kg)</b>	1548: 17.6; 1549: 18; 1550: 17.4
<b>Color (metal cabinet)</b>	Light gray (NCS S1500-N, PMS Cool Gray 2)
<b>Approvals</b>	CE; conforms with EN54-2 and -4. The front conforms with SS3654.

**Note:** All voltages are nominal.