Panasonic

Fire alarm system
EBL512
1548, 1549 and 1550

- EBL512 -- 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 & 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 ext. Fire brigade panels, alert annunciation units, data converters, etc.

Up to 512 addresses

EBL512 has the capacity of connecting 512 addresses. Basic configurations 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 24 (27) Ah batteries.

In each c.i.e. can be mounted up to six expansion boards 1580-1587. The ext. FBPs 182x and the Alert Annunciation units 173x, shall be connected via a 1587 board.

One Web-server II 1598 (option) connects the EBL512 system to Internet / an Intranet (LAN).

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	
1548	EBL512 c.i.e., excl. printer, configured for 128, 256 or 512 addresses.
1549	EBL512 c.i.e., incl. printer, configured for 128, 256 or 512 addresses.
1550	EBL512 c.i.e., excl. front panel, excl. printer, configured for 128, 256 or 512 addresses.
1558	Printer board (option for 1548).
1572	Cabinet for drawings.
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 ext. FBPs).
1583	German FBP interface board (for connection of a "Feuerwehr-Bedienfeld", incl. 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. ext. 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	
Voltage	
primary (V AC)	230
secondary system (V DC)	24
Current consumption (mA)	Depending on type (1548-1550), expansion board(s), etc. See EBL512 Planning Instructions.
Ambient temperature (°C)	
operating	0 to +40
storage	-40 to +70
Ambient humidity (% RH)	max. 90, non-condensing
Ingress Protection rating (estimated)	IP32
Inputs	4 COM loops for 128, 256 or 512 addresses
	4 programmable
Outputs	4 programmable supervised voltage outputs
	2 programmable relay outputs
	Relay outputs for routing equipment (Fire brigade tx and Fault tx)
	Power supply (24 V DC) for routing equipment and external equipment
Size W x H x D (mm)	400 x 610 x 175
Weight (kg)	1548: 17.6 / 1549: 18 / 1550: 17.4
Colour (metal cabinet)	Light grey (NCS S1500-N, PMS Cool Grey 2)
Approvals	CE; Conforms with EN54-2 and -4. The front conforms with SS3654.

Note! All voltages are nominal.

Product Leaflet	Date of issue	Revision / Date of revision
MEW00006	2000-05-12	6 / 2008-01-24