



## **Fire alarm systems**

### **External power supply**

### **3366**

- Connected to a COM loop, i.e. monitored by the c.i.e.
- Space for batteries inside the housing.

#### **General**

The **Ext. power supply 3366** consists of a rectifier (the main power source) and a charger board mounted in a grey metal housing, which also has space for two maintenance-free sealed Lead-Acid backup batteries, rated 12 V, 6.5-7.5 Ah (the second power source). Larger batteries (up to 60 Ah) have to be placed outside the housing.

The unit is addressable, i.e. it is connected to a COM loop and monitored from the c.i.e. and e.g. loss of the main power source (230 V AC) will generate a fault in the c.i.e.

There are many cable inlets in the housing, see figure on the opposite side of this page. Two compression glands are attached.

#### **Charging mode**

**Low current** charging mode is used for batteries  $\leq 27$  Ah. 24 V DC output  $\leq 2.1$  A.

**High current** charging mode is used for batteries **28-60** Ah if EN54-4 is to be fulfilled. 24 V DC output  $\leq 0.85$  A.

A fire alarm in the system will automatically allow an output current up to **4** A.

#### **Inputs / Outputs / Connectors**

Screw terminals for all connections except for the batteries that have tab terminals.

- Mains (230 V AC)
- Battery no. 1 (12 V, 6.5-60 Ah)
- Battery no. 2 (12 V, 6.5-60 Ah)
- 24 V DC output, 2.1 A alt. 0.85 A (4 A)
- Earth connector
- /Mains OK output (Output designed for the 3364 unit.)
- COM loop (in)
- COM loop (out)

#### **Settings**

The COM loop address is set with an Address setting tool 3314/4414. The unit has an address label where the address is to be written. 3314/4414 is also used to set the mode:

**NORMAL mode:** This mode can be used in systems EBL128, EBL512 with S/W version  $\geq 2.3$  and EBL512 G3.

**2330 mode:** This mode is used in system **EBL512** with S/W version  $\leq 2.2.x$ . The unit has to be programmed in Win512 as "SU4 Addressable 4 voltage outputs unit 2262 / 2263". The unit will in Win512 via "Check all loop units" be identified as an "SU4 Addressable 4 voltage outputs unit 2262 / 2263".

**2312 mode:** Not used for 3366.

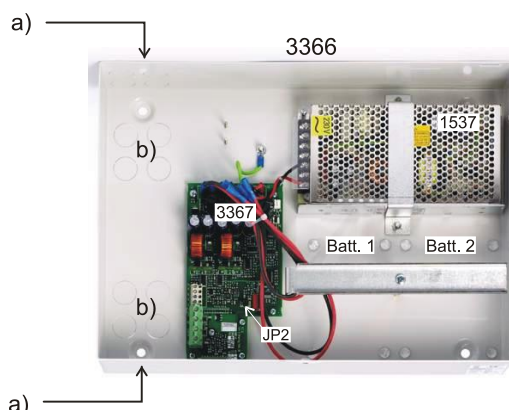
#### **Product applications**

Used in the systems EBL128, EBL512 and EBL512 G3 when an external power supply monitored from the c.i.e. is required. The unit is intended for indoor use and in dry premises.

Two "Addressable 2 voltage outputs unit" 3364 connected to one power supply 3366 are intended to succeed the 2262 unit with four voltage outputs.

### Type number

3366 External power supply (batteries are not included)



External power supply (3366) inside view: Rectifier (1537) 230 V AC / 24 V DC, Charger board (3367) and space for two batteries, rated 12 V / 6.5-7.5 Ah (size 150 x 65 x 94 mm).

JP2 open = **low current** charging mode. JP2 shunted = **high current** charging mode.

Jumper JP2 is situated on the charger board, see figure.

**a)** Four knock-outs 23.5 mm (on the long sides). **b)** Four knock-outs 23.5 mm (in the bottom).

### Technical data

Voltage	
Primary (V AC)	230
secondary (V DC)	
normal	24
by battery backup	15.6 – 28
COM loop (V DC)	
normal	24
allowed	12 - 30
Current consumption from COM loop (mA)	
quiescent	≤ 15
active	≤ 15
Board 3367 current consumption (mA)	35 mA, by backup battery power supply
/Mains OK output	Normally low (Output designed for the 3364 unit.)
24 V output (A)	2.1 alt. 0.85 ( <b>Low</b> alt. <b>high current</b> charging mode.) 4 (When fire alarm is activated in the system.)
Batteries, 12 V (Ah)	
inside the housing	2 x Sealed Lead-Acid 6.5-7.5 (physical size 150 x 65 x 94 mm)
outside the housing	≤ 60 Ah <b>NOTE!</b> JP2 open or shunted depending on charging current mode.
Ambient temperature (°C)	
operating	-5 to +40
storage	-20 to +70
Ambient humidity (% RH)	Max. 90, non condensing
Ingress Protection rating (estimated)	IP30
Weight (kg)	4.8 (excl. batteries)
Size H x W x D (mm)	288 x 400 x 95
Construction / Colour	Metal housing / Light grey (NCS S1500-N, PMS Cool Grey 2)
Approvals	CE 12 EC Certificate no. 0786-CPD-21218; EN54-4:1997 + A1:2002 + A2:2006

NOTE! All current consumptions are valid by 24 V DC (nominal voltage) at 25° C.

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
MEW00515	2005-09-15	7 / 2014-05-13