



## Fire alarm systems External power supply 3366

- Connected to a COM loop.
- Monitored from 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  $\leq 2.2$  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 turn off the battery charging, i.e. the output current can then be up to **4** A.

### Inputs / Outputs / Connectors

All connections are done on screw terminals except for the batteries, which have tab terminals.

- Mains (230 V AC)
- Battery no. 1 (12 V, 7.5-60 Ah)
- Battery no. 2 (12 V, 7.5-60 Ah)
- 24 V DC output, 2.2 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. The unit has an address label where the address is to be written. 3314 is also used to set the mode:

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

**2330 mode**: This mode is used in system **EBL512** with S/W version  $\leq 2.2.x$  and in system **EBL1000**. The unit has to be programmed in Win512 and PLAN1000 respectively 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".

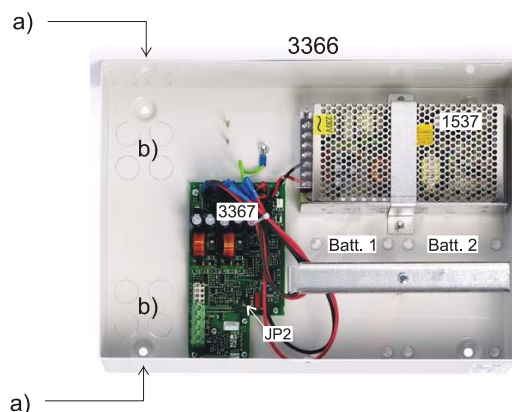
**2312 mode**: Not used for 3366.

### Product applications

The 3366 unit is used in the systems EBL128, EBL512 and EBL1000 when an external power supply monitored from the c.i.e. is required.

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

| Type number |  |
|-------------|--|
| 3366        | External power supply (batteries are not included) |



External power supply (3366) inside view: Rectifier 230 V AC / 24 V DC (1537), 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                      | 18 – 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)    | 25 mA, by backup battery power supply  |
| /Mains OK output                       | Normally low (Output designed for the 3364 unit.)  |
| 24 V output (A)                        | 2.2 alt. 0.85 ( <b>Low alt. high current</b> charging mode.)<br>4 (When no battery charging, i.e. fire alarm in the system.) |
| Batteries, 12 V (Ah)                   |  |
| inside the housing                     | 2 x Sealed Lead-Acid<br>6.5-7.5 (physical size 150 x 65 x 94 mm)   |
| outside the housing                    | ≤ 60 Ah<br><b>NOTE!</b> JP2 open or shunted depending on charging current mode.  |
| Ambient temperature (°C)               |  |
| operating                              | 0 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                              | <b>CE</b> 05 EC Certificate no. 0845-CPD-232.1491; EN54-4  |

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    | 2 / 2006-08-31              |