

## Fire alarm systems

### Addressable 2 voltage outputs unit

### 3364



- Two programmable supervised voltage outputs
- A special fire door closing voltage output

#### General

The **Addressable 2 voltage outputs unit 3364** (AOU) is intended to be surface mounted. A plastic protection cover (with 10 cable inlets) is supplied. 3364 can be mounted in a waterproof box (3362). The unit is connected to a COM loop and require external 24 V DC power supply (3366).

#### Inputs / Outputs / Connectors

All connections are done on screw terminals.

- COM loop (in)
- COM loop (out)
- 24 V DC power supply input
- /Mains OK input (3366 output)
- Two programmable and supervised 24 V DC outputs **VO0** & **VO1**, intended for alarm devices. End-of-line capacitor to be mounted in the last device alt. capacitors in up to five devices. For each capacitor is also a series diode required, see the opposite side of this page.
- One special 24 V DC output **VO2**, intended for fire door closing. VO2 is not only controlled by a control expression, it will also be powerless approx. 30 sec. after:
  - the /Mains OK input goes high (=3366 output /Mains OK goes high=no mains)
  - the COM loop communication is interrupted (=no comm. with the c.i.e.)

#### 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 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  $\leq 2.2.x$  and in system **EBL1000**. The unit shall 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". (Two 3364 units connected to one power supply 3366 are intended to succeed the current 2262 unit with four voltage outputs.)

**2312 mode:** Not used for 3364.

#### Waterproof box 3362

When required, the 3364 unit can be mounted in a waterproof box 3362 (IP 66/67).

#### Product applications

Used in the systems EBL128, EBL512, EBL512 G3 and EBL1000. The unit is intended for indoor use and in dry premises (if not the waterproof box is used). It can be DIN rail mounted with help of a DIN rail interface kit 3363.

## Type numbers

|      |   |
|------|---|
| 3364 | Addressable 2 voltage outputs unit (incl. plastic protection cover and two 470nF capacitors). |
| 3362 | Waterproof box (IP 66/67) (incl. four compression glands).                                    |
| 3363 | DIN rail interface kit for symmetric 35 mm DIN rail (plate, clamp & screws).                  |
| 3366 | External power supply. (230 V AC / 24 V DC, 2.2 alt. 0.85 A)                                  |



**VO0 & VO1:** AD=Alarm Device (bell, siren, etc.). **VO2:** M=Fire door release magnet(s).  
**D1**=Suppression diode (1N4004), when required. **D2**=Series diode (1N4004).  
**C** (470nF, supplied), to be connected in the last device or in up to five devices.

## Technical data

|                           |   |
|---------------------------|---|
| Voltage (V DC)            | (COM loop)  |
| allowed                   | 12-30   |
| normal                    | 24  |
| Current consumption (mA)  | (COM loop)  |
| quiescent                 | ≤ 6   |
| active                    | ≤ 6   |
| Inputs                    |   |
| 24 V DC Power supply      | Min. / Max. voltage 18 / 30 V DC  |
| /Mains OK                 | Normally low (Output in unit 3366, specially designed for 3364.)  |
| Outputs (A)               | 24 V DC. <sup>1</sup> VO0 & VO1: Supervision voltage ≤ 0.6 V DC.  |
| VO0 (supervised)          | Max. 1 <sup>2</sup> (One to five 470nF capacitors have to be used.)   |
| VO1 (supervised)          | Max. 1 <sup>2</sup> (One to five 470nF capacitors have to be used.)   |
| VO2 (not supervised)      | Max. 1 <sup>2</sup>   |
| Ambient temperature (°C)  |   |
| operating                 | -10 to +55  |
| storage                   | -20 to +60  |
| Ambient humidity (% RH)   | Max. 90, non condensing (if the waterproof box is not used)   |
| Ingress Protection rating | IP 54 (the unit with the plastic protection cover)<br>IP 66/67 (the unit mounted in the waterproof box)   |
| Size L x W x H (mm)       | 90 x 70 x 32 (the unit itself)<br>129 x 73 x 45 (the plastic protection cover)<br>175 x 125 x 75 (the waterproof box)                             |
| Weight (g)                | 110 (the unit itself)<br>45 (the plastic protection cover)<br>376 (the waterproof box, excl. compression glands)                                  |
| Construction / Colour     | ABS / Black (the unit itself)<br>ABS / Grey (N8, Munsell colour code) (the plastic protection cover)<br>Polycarbonate / Grey (the waterproof box) |
| Approvals                 | CE 09 EC Certificate no. 0845-CPD-232.1563; EN54-18   |

<sup>1</sup> Output voltage is depending on the input voltage and also the output current consumption.

<sup>2</sup> Continuous 1 A, during 10 ms 1.4 A.

**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 |
| MEW00516        | 2006-10-13    | 6 / 2011-03-10              |