# 69902

## ZP3 Series - ZP3AB-OP24 Transistorised Output Board

### 24 programmable transistorised open collector outputs

The ZP3AB-OP24 is one of a series of additional, auxiliary boards designed to extend the ZP3 panel standard range of input/output facilities. Boards are modular in design, and are mounted inside the ZP3 panel enclosure, by means of a ZP3-AC1 auxiliary chassis.

Up to three boards can be fitted into a ZP3 panel. They may be all of a single type, or any combination from the I/O module range. The addition of auxiliary boards can increase the panel outputs to a maximum of 72 all housed within the ZP3 enclosure. Further boards can be added to a system, accommodated in a remote control cabinet, usually located alongside the ZP3 panel. Various sized cabinets are available, designed to match the control panel enclosure. Each ZP3 panel has the ability to operate up to 896 outputs, of which 768 are programmable.

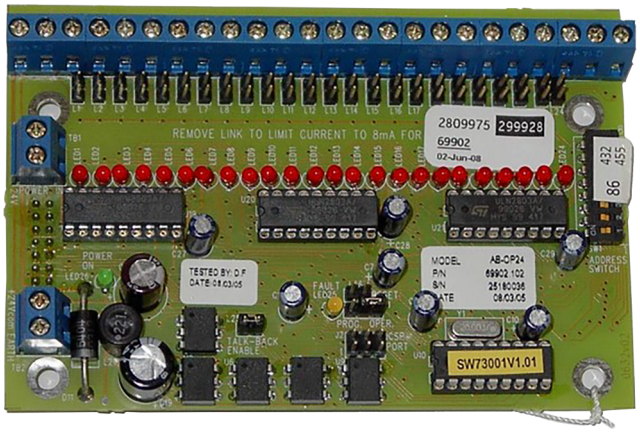
The ZP3AB-OP24 offers 24 programmable, transistorised, open collector outputs. Designed to drive small current devices with resistive loads, each output is equipped with a jumper switch, which when removed reduces the outputs normal rating of 20 mA down to 8 mA to enable LED indicators to be directly connected. Power to operate modules can be provided internally from the control panel.

### Fully addressable

Each 24 way open collector output board is allocated an address by switch settings provided on the PCB. Once addressed the ZP3 system software automatically reserves the capacity of three separate addresses to enable all 24 outputs to be individually programmed, in the systems cause and effect software set up.

### Output indication

The operation of outputs is confirmed by LED indicators positioned in line with each wiring terminal. Power on and fault indicators are also provided on the PCB. Housed within the ZP3 panel, options can simply be added during panel manufacture to meet individual specifications, or subsequently fitted on site should a particular requirement become necessary during the life of the system.




### Details

- 24 programmable open collector outputs
- Up to three modules within panel enclosure
- Individual output ratings selectable 8 or 20 mA
- Operation of individual output confirmed by LED indication

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## Technical specifications

### General

| | |
|---|---|
| Status indicaton | Output operated 1 x LED per output, red, on PCB<br>Power on 1 x LED, green, on PCB<br>Fault 1 x LED, amber, on PCB |

### Electrical

| | |
|---|---|
| Power supply type | 24 VDC |
| Current consumption | Current (stand by) 9 mA, (all outputs active) 47 mA |

### Output

| | |
|---|---|
| Output type and rating | 24 VDC (between common +24 V and output) |
| Output circuits | 24 (per board) |
| Contacts per output | 1 open collector (NPN transistor) |
| Output voltage supply | 24 VDC (between common +24V and output) |
| Output current | 20 mA or 8 mA (maximums, connected to resistive loads) - selectable by output |

### Physical

| | |
|---|---|
| Form factor | PCB |
| Physical dimensions | 120 x 80 mm (W x H) |
| Net weight | 80 g |
| Mounting type | Screw / bolt mount |

### Environmental

| | |
|---|---|
| Operating temperature | -10 to +60ºC |
| Relative humidity | 10 to 90% noncondensing |

### Regulatory

| | |
|---|---|
| Standards | Publication No PS1297 |

### Mounting

| | |
|---|---|
| | By ZP3-AC1 auxiliary chassis, within ZP3 panel enclosure |

### Monitoring

| | |
|---|---|
| | Over current, output grounded |

### Accessories

| | |
|---|---|
| | ZP3AB-AC1 Auxiliary chassis - accommodates up to 3 auxiliary boards. 1 chassis per ZP3 panel enclosure |

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