



## PC5108(FLR) – PowerSeries 8-Zone Hardwire Zone Expander Module

The PC5108 module is used to add 8 additional hardwire zones to the PC5010, PC5015 (v1.0 or v2.0) and PC5020 (v2.0 only). When used with the PC5010 and PC5015 the expander is configured as two 4-zone expanders. When used with the PC5020 the expander is configured as one 8-zone expander (see Jumper Settings).

The PC5108FLR module is the same as the PC5018 module, but the zones have fast loop response zones (20 mS) opposed to the regular PC5108 (500 mS). The PC5108FLR is only available as v1.0 and is therefore not compatible with the PC5020.

### Compatibility (Version Identification):

v1.0 (06000461, 06000550): PC5010, PC5015  
v2.0 (06001281): All PowerSeries panels

Note: When used with a PC5020, only the first 3 jumpers (J1 – J3) are used.

### Module Specifications:

Current Draw: 35mA (module only)  
AUX Output: 100mA maximum, PTC protected

### Jumper settings for PC5010 and PC5015:

Group A (1<sup>st</sup> 4 zones): J1, J2, J3  
Group B (2<sup>nd</sup> 4 zones): J4, J5, J6

| Groups | Jumpers |       |       | Assigned Zones |
|--------|---------|-------|-------|----------------|
| A OR B | J1/J4   | J2/J5 | J3/J6 |                |
| A OR B | ON      | ON    | ON    | Disabled       |
| A OR B | OFF     | ON    | ON    | Disabled       |
| A OR B | ON      | OFF   | ON    | Zones 9-12     |
| A OR B | OFF     | OFF   | ON    | Zones 13-16    |
| A OR B | ON      | ON    | OFF   | Zones 17-20    |
| A OR B | OFF     | ON    | OFF   | Zones 21-24    |
| A OR B | ON      | OFF   | OFF   | Zones 25-28    |
| A OR B | OFF     | OFF   | OFF   | Zones 29-32    |

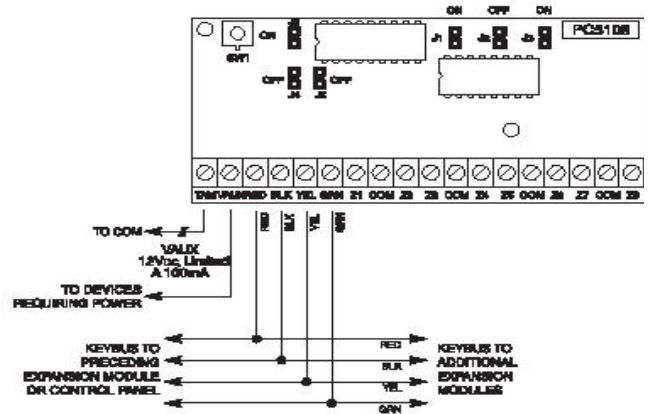
**DO NOT** configure both sets of jumpers the same (i.e. do not assign the same zones to the 1<sup>st</sup> and 2<sup>nd</sup> set of 4-zones).

### Jumper settings for PC5020 (PC5108 v2.0 only):

When configuring zones for the PC5020, only the first three jumpers (J1 to J3) are used. The configuration of jumpers J4 to J6 has no affect.

| Jumpers |     |     | System Zones Assigned |
|---------|-----|-----|-----------------------|
| J1      | J2  | J3  |                       |
| ON      | ON  | ON  | Zones Disabled        |
| OFF     | ON  | ON  | Zones 9-16            |
| ON      | OFF | ON  | Zones 17-24           |
| OFF     | OFF | ON  | Zones 25-32           |
| ON      | ON  | OFF | Zones 33-40           |
| OFF     | ON  | OFF | Zones 41-48           |
| ON      | OFF | OFF | Zones 49-56           |
| OFF     | OFF | OFF | Zones 57-64           |

### Wiring:



**VAUX** Used to provide power for detectors connected to the expander module. PTC protected. Maximum current draw should not exceed 125mA. Connect (+) to VAUX and (-) to BLK or COM.

**KEYBUS** Connect RED, BLK, YEL and GRN terminals to the KEYBUS terminals on the main control panel.

**TAM** Connect a NC switch or a jumper between TAM and COM to secure the tamper input. The tamper switch in the top corner of the module is not used in North America.

**Z** Zone input terminal. Wire detectors across 'Z' and 'COM' terminals.

### Troubleshooting:

- If the zones on the expander do not function:
  - Make sure the jumpers are configured properly
  - Make sure the zone is assigned to a partition
  - Make sure the zone is defined
- Wireless or addressable zones cannot be assigned zones already assigned to PC5108 expansion modules.
- A *General System Tamper* will occur if the tamper input is not secure. Connect a short across TAM and COM to eliminate the trouble condition.
- The tamper switch in the top corner is not used in North America.