

# CONVENTIONAL FIRE ALARM CONTROL PANEL

## BP-FD-CCP100



## FEATURES

- It has 2 level control mode by a lock
- It has 24VDC power supply output
- It has FIRE and FAULT signal output
- It has 2 general sounders output
- Each zone has 1 circuit detectors input
- Each zone can be disable by a button
- It has RESET button to reset the panel
- It has SILENCE button to stop BUZZER and SOUNDERS
- It has EVACUATE button to start a manual fire alarm immediately
- It has an optional GSM module for fire alarm by SMS
- It is economic, user-friendly and easy maintenance

## SPECIFICATION

| Model: BP-FD-CCP100                                  |  |
|--|--|
| Power specification                                  |  |
| Mains supply voltage                                 | 110VAC or 220VAC   |
| Internal power supply                                | 27.2VDC  |
| Total output current limited                         | 500mA@240VAC   |
| Main supply monitor for fault                        | YES  |
| Battery protection for low voltage                   | YES  |
| Batteries (default configuration)                    | 12V2.3AH*2   |
| Detector circuit specification                       |  |
| Number of circuits                                   | 1  |
| Line fault monitor for open circuit                  | YES  |
| Line fault monitor for short circuit                 | YES  |
| Line fault monitor for detector removal              | Yes, if end of line monitor unit fitted in place of end of line resistor   |
| End of line device                                   | 6.8k $\Omega$ , 5% tolerance, 0.5-1W (color code – blue, grey, red, gold)  |
| Detector continuity diodes                           | Silicon 1N4001 or Schottky type (required if end of line monitor unit fitted to give detector removal fault)   |
| Call point resistor value                            | 470 to 680 $\Omega$ , 0.5 or 1 watt  |
| Maximum number of smoke/heat detectors per zone      | 20 (based on a total detector current of 2mA, each detector consuming 100 $\mu$ A). Note: if end of line monitor unit is fitted, for correct operation maximum voltage drop must not exceed 12 volts |
| Maximum number of manual call points per zone        | No limit   |
| Sounder circuit specification                        |  |
| Number of general circuits                           | 2  |
| End of line resistor value                           | 6.8k $\Omega$ , 5% tolerance, 0.5-1W (color code – blue, grey, red, gold)  |
| Line fault monitor for open circuit                  | Yes  |
| Line fault monitor for short circuit                 | Yes  |
| Outputs fused AT                                     | 600mA  |
| Maximum number of bells @50mA of each Sounder output | 12   |
| Fuses  |  |
| Battery fuse   | 1.85A resettable fuse  |
| Sounder outputs                                      | 400mA F 20mm   |
| Fire output  |  |
| Output type  | NC and NO relay  |
| Maximum current                                      | 100mA  |
| Connection block                                     |  |
| Largest acceptable conductor size                    | 2.5mm <sup>2</sup>   |
| Smallest acceptable conductor size                   | 0.75mm <sup>2</sup>  |
| Size and weight                                      |  |
| Dimensions (mm)                                      | 272 x 200 x 70   |
| Weight (with batteries)                              | 5.5kg  |