

### Datasheet

#### Model BC8001A,BC8001A/P,BC8001A/E,BC8001A/PE Compact Control Unit



BC8001A is a control unit very suitable for small size projects and constructions.

#### Features

- Comply with UL864
- Compatible with BDS A series of field devices
- 2-wire detector-bus (polarity-free), allowing transmission distances up to 1'000 m (@ twisted pair 18 AWG; evenly distributed devices)
- Special patented processing arithmetic enhances immunity to environment influences
- A large LCD screen(240×128) with backlight
- Configuration is done through Windows based application tools, connected via USB port of the control unit
- Easy changes of the configuration either via PC or directly through the control unit's keypad
- Common grounding trouble supervision
- Advanced power saving technology
- Using SMT technology, easy for mass production
- Reliable 6A@24VDC power supply built-in
- Main power/Battery/Battery charger monitoring
- A 1.5A Notification Appliance Circuit built-in
- Reliable field wires protection against short, EMI, ESD,EMC

#### Order Information

Type	Description	Stock Code
BC8001A	Compact Control Unit with 1 line(127 Dev.)	A5Q00016659
BC8001A/P	Compact Control Unit with 1 line, printer	A5Q00021719
BC8001A/E	Compact Control Unit with 2 line(254 Dev.)	A5Q00021716
BC8001A/P/E	Compact Control Unit with 2 lines, printer	A5Q00021720

#### Technical Specification

Items	Value
Max. number of detector lines	2
Max. number of field devices	254
LCD back light display	240×128 pixel
Nr. of monitored OC output	1 (40mA@24VDC)
Nr. of monitored inputs	2
Nr. of monitored NAC	1 (1.5A @24VDC)
Number of history records	1000
Automapping	Yes
AC power input	120/240VAC, 60/50Hz
Regulated DC output	6A @24VDC
Battery-backup	12VDC,12Ah×2
Upload/download port	USB 1.1
Dimensions, in mm	369×266×200 (W×H×D)
Weight (excluding battery)	6.6Kg
AC fuse capacity	5.0A
Battery fuse capacity	10.0A
Operating temperature	0°C ~ +50°C
Storage temperature	-10°C ~ +50°C
Relative humidity	≤93%(40±2°C)
Usage place	Indoor and dry use

#### Diagram

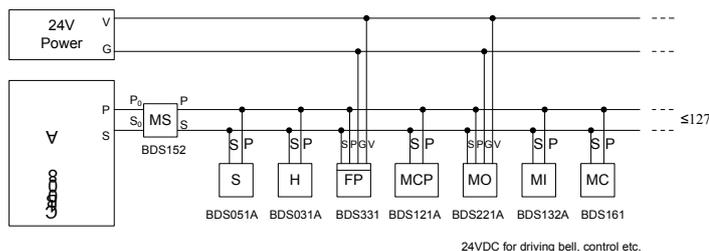


Figure 1 One line connection

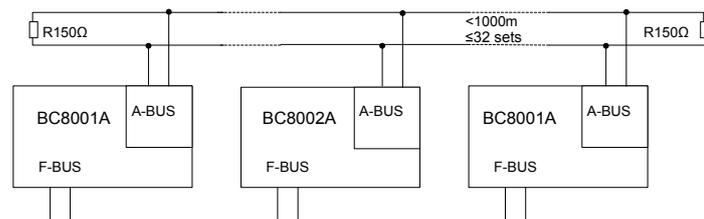


Figure 2 System network connection