

# DA454

**12V DC 8A Rack-mount power supplies**  
with battery-backed outputs and optional fire status control

A dedicated 19" rack-mounting power supply designed, manufactured and tested in Great Britain. The product has a 12V DC 8A power supply with VRLA battery space in one 2U height enclosure. The controller power supply unit is intended for powering access controllers and readers totalling up to 8A. The product includes various features intended to ease and speed up installations such as removable terminal blocks and front access to VRLA battery. The enclosure will house a 12V VRLA battery of up to 7AH capacity.

| Outputs                               |   |
|---------------------------------------|---|
| Voltage                               | 12V DC (13.7V)  |
| Current                               | 8 x 1A & 2 x 3A (Maximum total output 8A)                                       |
| Connection type                       | Removable PCB terminal block (2.5mm <sup>2</sup> )                              |
| Fused                                 | Automatic self resetting fuses  |
| Output status indication              | Green LED indication  |
| Fire control                          |   |
| +F                                    | 12V DC (13.7V)  |
| +R                                    | +5V < +30V DC = Fire switched outputs on<br>< 5V DC = Fire switched outputs off |
| 0V                                    | If using an external power source for fire control, common 0V to this terminal. |
| Mains fail signalling contacts        |   |
| Contact configuration                 | Single pole change over (Approximately 30 < 60 second delay)                    |
| Voltage                               | Maximum 30V DC  |
| Current                               | Maximum 1A  |
| Connection type                       | PCB terminal block (2.5mm <sup>2</sup> )  |
| Battery low volts signalling contacts |   |
| Contact configuration                 | Single pole change over (Battery at 10.5V change over)                          |
| Voltage                               | Maximum 30V DC  |
| Current                               | Maximum 1A  |
| Connection type                       | PCB terminal block (2.5mm <sup>2</sup> )  |
| Input                                 |   |
| Voltage                               | 230V AC @ 50Hz (+/- 10%)  |
| Power consumption                     | < 125VA (Approximate under full load)   |
| Connection type                       | IEC C14 socket to accept IEC C13 connector ('Kettle style')                     |
| Fused                                 | 6.3A HRC 20 x 5 mm fuse   |
| Mains on indication                   | Green LED indication  |
| Environmental                         |   |
| Operating temperature                 | -10°C to +40°C  |
| Storage temperature                   | -20°C to +50°C  |
| Operating relative humidity           | Maximum 95% non-condensing  |
| Dimensions*                           |   |
| Width                                 | 480mm ( 19" )   |
| Height                                | 195mm ( 7 ½" )  |
| Depth                                 | 89mm ( 3 ½" or 2U )   |

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|  |                             |
|--|-----------------------------|
| Weight                                     | < 4.2Kg                     |
| Enclosure material                         | Mild steel                  |
| Finish                                     | Powder coated Black RAL9005 |
| <b>Other</b>                               |                             |
| Estimated operations before failure (MTBF) | 50,000 hours                |
| CE Approved                                | Yes                         |
| Tamper switch                              | Yes                         |
| Recommended battery size                   | 12V 7Ah VRLA                |

\*(+/- 2mm)