

# DA449

**12V DC 8A or 24V DC 4A Power supply**  
*Within a mild steel enclosure*

A power supply with either 1 x 8A 12V DC (13.7V) or 1 x 4A 24V DC (27.4V) output. The output voltage is changed by means of a simple selector plug. This unit can also house and charge one or two VRLA batteries up to 7Ah capacity and can signal a mains failure with relay contacts.

This unit also has a completely independent SPCO relay that can be driven from a 12V or 24V DC supply regardless of PCB selector position (e.g. if PCB is in 24V mode, this relay can still be used in 12V mode or not at all). A typical use for this relay would be for interfacing with a fire panel to de-power items such as magnetic locks in the event of an emergency.

| Output selected as 12V         |                                                                                                                   |
|--------------------------------|-------------------------------------------------------------------------------------------------------------------|
| Voltage                        | 12V DC (13.7V)                                                                                                    |
| Current                        | 1 x 8A                                                                                                            |
| Connection type                | PCB terminal block (2.5mm <sup>2</sup> )                                                                          |
| Fused                          | 20 x 5mm 8A quick blow glass fuse                                                                                 |
| Output selected as 24V         |                                                                                                                   |
| Voltage                        | 24V DC (27.4V)                                                                                                    |
| Current                        | 1 x 4A                                                                                                            |
| Connection type                | PCB terminal block (2.5mm <sup>2</sup> )                                                                          |
| Fused                          | 20 x 5mm 4A quick blow glass fuse                                                                                 |
| Mains fail signalling contacts |                                                                                                                   |
| Contact configuration          | Single pole change over (Approximately 30 second delay)                                                           |
| Voltage                        | Maximum 30V DC                                                                                                    |
| Current                        | Maximum 1A                                                                                                        |
| Connection type                | PCB terminal block (2.5mm <sup>2</sup> )                                                                          |
| Undedicated relay contacts     |                                                                                                                   |
| Contact configuration          | Single pole change over                                                                                           |
| Voltage - Coil                 | 12V or 24V DC (separate terminals)                                                                                |
| Voltage - Switching            | Maximum 30V AC/DC                                                                                                 |
| Current - Switching            | Maximum 5A                                                                                                        |
|                                | <i>Note: This is only valid when quenching diode fitted for inductive loads, e.g. magnetic locks and releases</i> |
| Connection type                | PCB terminal block (2.5mm <sup>2</sup> )                                                                          |
| Input                          |                                                                                                                   |
| Voltage                        | 230V AC @ 50Hz (+/- 10%)                                                                                          |
| Power consumption              | < 90VA                                                                                                            |
| Connection type                | 10mm <sup>2</sup> internal terminal block (3 x 1.5mm <sup>2</sup> or 2 x 2.5mm <sup>2</sup> )                     |
| Fused                          | 3A Mains fuse (BS1362)                                                                                            |
| Mains on indication            | LED indication                                                                                                    |
| Environmental                  |                                                                                                                   |
| Operating temperature          | -10°C to +40°C                                                                                                    |
| Storage temperature            | -20°C to +50°C                                                                                                    |
| Operating relative humidity    | Maximum 95% non-condensing                                                                                        |

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| Dimensions*                                |                               |
|--------------------------------------------|-------------------------------|
| Width                                      | 320mm                         |
| Height                                     | 255mm                         |
| Depth                                      | 90mm                          |
| Weight                                     | < 4.85Kg                      |
| Enclosure material                         | Mild steel                    |
| Finish                                     | Powder coated RAL9016 (white) |
| Other                                      |                               |
| Estimated operations before failure (MTBF) | 50,000 hours                  |
| CE Approved                                | Yes                           |
| Lid tamper switch                          | Yes                           |
| Recommended battery size                   | (1 or 2) 7Ah VRLA             |

\*(+/- 2mm)