

Access Control PSU Range

Product Overview

The new access control range of switch mode power supplies has been specifically designed to house common Mercury Security access control door controllers. With different power options and enclosure sizes the range offers the installer a PSU for a variety of applications. All models offer fault signalling and can charge a 12V standby battery to provide backup power on a mains failure. Multi-fused outputs are provided to allow the installer to protect individual circuits as required. All models possess a mains fail relay output while the ACCESS-PSUx models also offer additional Battery Monitoring and Deep Discharge Protection. The MULTI-ACCESS models are provided with a unique hinged cabling system (*Patent Pending*) and can provide either 12V or 24V whilst also offering an independent ancillary relay that can be used for applications such as a 'Fire' door release relay. The products use energy efficient switch mode technology and therefore have a universal mains supply input (90–264V ac). Power variants are:

- ACCESS-PSU 13.8V dc 2A
- ACCESS-PSU1 13.8V dc 4A
- ACCESS-PSU2 13.8V dc 4A
- ACCESS-PSU2-8A 13.8V dc 8A
- MULTI-ACCESS-PSUx 13.8V dc 8A

Note the 8A can be used in 24V mode @ 4A.

Features

- PCB standoffs supplied for common A/C boards
- Unique enclosure design (MULTI-ACCESS-x)
- Cost effective switch mode technology
- Front & rear enclosure tamper
- Mains Fail relay output
- Battery Monitoring (2A & 4A versions)
- Volt-free fault outputs (2A & 4A versions)
- Independent ancillary relay (8A versions)
- Switchable 13.8V / 27.6V dc output (8A version)
- Full rated current to load + 0.5A battery charging
- 90 to 264V ac range
- Electronic overload protection
- Mains transient protection
- LED Fault indication
- Screen printing available
- Bespoke models available on request
- 3 year warranty



MULTI-ACCESS-PSU6

Part Numbers:

Part No	Description
ACCESS-PSU	13.8Vdc 2A BM SMPSU, to fit 1 x EP1501 sized controller
ACCESS-PSU1	13.8Vdc 4A BM SMPSU, 4-way Fused Output Module, to fit 2 x EP1501 or 1 x EP1502 sized door controllers
ACCESS-PSU2 ACCESS-PSU2-8A	13.8Vdc 4A BM SMPSU 13.8Vdc 8A SMPSU Both versions include: 4-way Fused Output Modules, to fit 4 x EP1501 or 2 x EP1502 sized door controllers
MULTI-ACCESS-PSU2 ACCESS-EXP-PLATE	13.8Vdc 8A / 27.6Vdc 4A SMPSU, 8-way Fused Output Module, 4 x EP1501 or 2 x EP1502 sized door controllers (expandable) Expander Plate for above
MULTI-ACCESS-PSU6	13.8Vdc 8A / 27.6Vdc 4A SMPSU, 8-way Fused Output Module, 8 x EP1501 or 6 x EP1502 sized door controllers

Technical Information

ACCESS-PSU

Enclosure Size 275H x 330W x 80D (mm)
Max Battery 12V 7Ah

ACCESS-PSU1

Enclosure Size 330H x 355W x 80D (mm)
Max Battery 12V 17Ah

ACCESS-PSU2

ACCESS-PSU2-8A

Enclosure Size 500H x 400W x 80D (mm)
Max Battery 12V 17Ah

MULTI-ACCESS-PSUx

Enclosure Size 515H x 478W x 146D (mm)
Max Battery 12V 17Ah

Operating temperature -10°C to 40°C at 95% RH

Approvals

CE mark

RoHS Compliant

