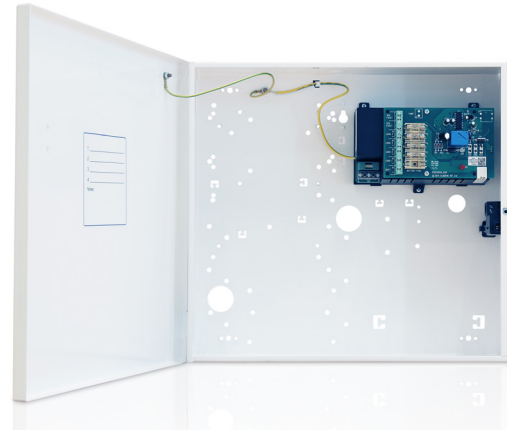


Elmdene 2 Door Enclosure



High efficiency cost effective power supply, designed to house Mercury Security access control controllers/modules. Featuring a regulated 13.8V dc 4A output supplying continuous full rated current to load and up to an additional 0.5A for charging a standby battery. The universal mains input voltage enables the power supply to be used across a wide geographical area. The highly efficient switch mode design helps lower operating costs, generates less heat. The modular construction helps simplifying maintenance. An integrated 4-way output module allows multiple circuits to be individually fused if required.

KEY FEATURES

Continuous full rated current to load	Full electronic short circuit and overload protection on load output under mains operation
Additional 0.5A to charge standby battery	Mains transient protection circuit
7Ah Standby battery recharged to 80% within 24 hours	Lid opening and remove from wall tamper detection
Universal mains input voltage 90-264V ac	Green Mains present LED
High efficiency electronics for reduced running costs and lower operating temperatures	Red Fault LED
Installer safe design with all high voltage electronics fully shrouded	4 Individually Fused Outputs
Modular construction for ease of maintenance and installation	

Specifications

MODEL SPECIFICATION

Model	Description
AC-ELM-2DR	2 door, 13.8V dc 4A Switch Mode Power Supply with 4 x 1A Fused Outputs, to fit 1 x Mercury EP1501 / MR51e or 1 x Mercury EP1502 / HID VertX® sized door controller.

SPECIFICATION (INPUT)

Voltage (rated)	100-240V ac
Voltage (operating)	90-264V ac
Frequency	50-60Hz
Max input current	2.0A
Mains Input Fuse	T3.15A HRC

SPECIFICATION (OUTPUT)

Voltage	13.4 – 14.2V dc (13.8V dc nominal) on mains power 10.0 – 12.3V dc on battery standby
Max load current	4A
Ripple	150 mV pk-pk max
Load output Fuses	4 x F1.0A
Overload	Electronic shutdown until overload or short circuit removed (under mains power only)

STANDBY BATTERY

Battery Type	12V Valve Regulated Lead Acid
Battery Capacity (max)	1 x NP7 (7Ah)

MECHANICAL

Enclosure Dimensions (HxWxD mm)	355x362x85
Battery Capacity	1 x 12V NP7 (7Ah)
Weight (kg) (Excluding Batt.)	4.3

ENVIRONMENTAL

Temperature – Operating	-10 to +40°C (operating) 75% RH non-condensing
Temperature - Storage	-20 to +80°C (storage)

FUSED OUTPUTS

No. of fused outputs	4
Fuse Value	4 x F1.0A

SIGNALLING OUTPUTS

Tamper	3A @ 125V ac N/O volt free contact Note: Contact opens when lid opened or case removed from mounting (TAMPER ACTIVE condition).
GEN Fault	0.1A @ 60V dc N/O volt free contact. Open when battery disconnected, *output fuse fail, battery fuse fail or output short circuit. (*Applies only to O/P 1 of multiple fused units)
EPS Fault	0.1A @ 60V dc N/O volt free contact Open when loss of mains for more than 10s

CONNECTIONS

+ LOAD (1, 2, 3, 4)	+ve voltage O/P to load equipment
- LOAD (1, 2, 3, 4)	-ve voltage O/P to load equipment
+BATT	Red lead to standby battery
-BATT	Black lead to standby battery
Tamper x 2	Tamper Volt-free contact
GEN Fault x 2	Volt-free General PSU / Battery Fault
EPS Fault x 2	Volt-free Mains Fail Fault

LOCAL INDICATORS

MAINS LED (Green)	Mains present
FAULT LED (Red)	Flashing (1s) when loss of mains, battery disconnected, output fuse fail, output shorted or low output voltage.