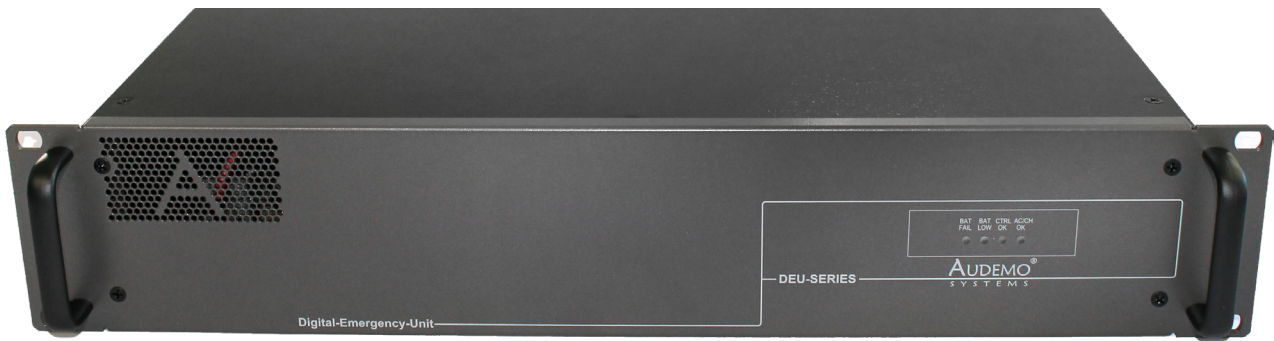




DEU-2700 D

Digital Emergency Unit



EN 54 | 4

APPLICATION

- Public Address and Voice Alarm

AREA OF USE

- Health • Education • Retail • Hospitality
- Stadiums • Transportation • Theme parks • Military

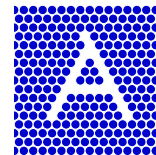
OVERVIEW

The PADS®2000 Digital Emergency Unit DEU-2700 D enables a standardized (according to EN 54-4), permanent emergency power supply for 24 V DC devices in the event of a power failure. The unit is a 19 inch device (2 U).

Key features

- Not integrated power supply equipment according to EN54-4/ A2
- Main power unit providing 24V DC with I_{max.} = 8A
- 6 fuse protected DC outputs, maximum 30 A each at battery power
- 3 Auxiliary outputs for consumers
- Battery charger and power manager with total discharge protection
- Soft start characteristic
- Smart battery condition monitoring
- Thermal regulated end of charge voltage
- Zero interruption when switching from one to another energy source
- Battery Temperature Sensor

PADES [®] 2000-Series



TECHNICAL DATA

Power supply (mains)	230 V AC, +10% I - 15%, 50/60 Hz
Power supply (rechargeable battery)	24 V
Rated output current I _n	8A
Real power consumption in mains	250 Watts
Ambinet temperature	-5 °C to +55 °C
Safety class	1 (protective earthing)
Mains powerer fuse	T6.3A slow blow
End-of-charge voltage	27.2 v typical at 25°C
End-of-discharge voltage	20 V with indication BATTERY LOW
Switch-off threshold of the low voltage disconnect protection	18 V
Maximum continuous output load current I _{max} according to EN54-4A2	I _n - C/20 C= battery capacity in Amperes x Hours
Output current per switching output	30 A max.
Switching outputs	6
Fuse values Of the 24V outputs	Blade fuses 40A are pre-assembled Fuse value= load current x 1.3
Load capacity of relay contacts (Error outputs)	30 V, 5 A (changer over)
Maximum internal battery resistance	0.05- 0.1 Ohm
Battery capacity	32-150 Amperes X Hours (Ah)
Cooling	Temperture controlled fan
Battery type	2 X 12 V Valve Regulated Lead Acid
Diemensions (W x H x D)	483 x 88 x 277 mm
Weight	5.9 KG

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Member of the ZVEI - Central Association
for the Electrical Engineering and Electrical
Industry eV Safety Association



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