

# DKPS 2A

## Power Supply



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## Power supplies designed with safety & reliability in mind

The dormakaba DKPS-2A power supply/charger is designed to convert 120-240 VAC, 50 or 60Hz into a continuous 2 Amp supply at 12 or 24VDC power outputs (switch selectable).

The DKPS series power supply has 2 supervisory outputs (AC power fail & battery fail) and the power distribution controller board also has 2 supervisory outputs (DC Fail & status) that can be connected to remote access control units to monitor the power supply operation. Supervisory outputs have form C relay.

This DKPS model includes a power distribution controller board that features electronic over-current protection on the 8 voltage outputs that can be used in a wide array of access control and egress door applications.

Application permitting, the DKPS series power supply provides several standby battery options for continuous power in case of an AC power failure for a specified period of time.

The DKPS power supply series also available in 4A and 6A models to suit multiple applications.

### Robust applications

Supplies eight voltage (12/24 Vdc at 2.0 amp) fail safe or fail secure outputs to support access devices including:

- Electromagnetic locks, electric strikes & power bolts
- Specialty Electric locks
- Motorized Latch Retraction (MLR)
- Egress doors and exit devices

### Ease of Maintenance

- Convenient metal housing which can accommodate up to two (2) 7 AH rechargeable batteries depending on your application
- Status LEDs on enclosure front door (Green, Yellow, Blue)

### Safety

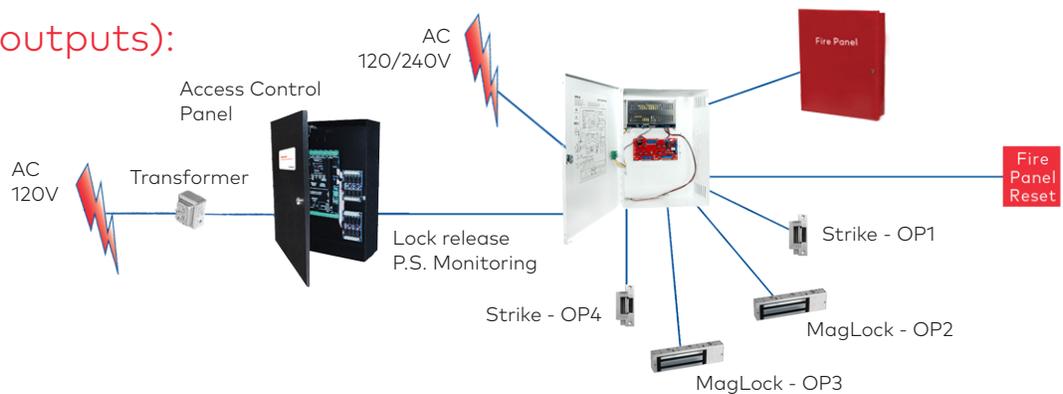
- Supervisory outputs for remote monitoring
- Supervised connection to fire panel or access panel for automatic unlocking of specified doors
- Remote reset of power supply after fire alarm
- Optional front door tamper switch or dual door and wall removal tamper switches
- Fault and overload protection

# Specifications

<b>Input &amp; Output</b>	
Input Voltage	110-220VAC, 50-60Hz 2.4A
Output Voltage	Selectable 12 or 24 VDC voltage outputs; each output max 2.0 A with electronic over-current protection set at 2 Amp. 8 voltage outputs
<b>Environmental</b>	
Dimensions	Power Supply Board: 7-11/16" x 4- 5/16" (195mm x 110mm) Power Distribution Controller Board: 7-3/8" X 3 1/2" (187mm x 90mm) Metal Enclosure: 13- 5/16" x 17- 5/8" x 4- 5/16" (338mm x 448mm x 110mm)
Weight	12 lbs (5.44 Kg)
Operating temperature	32° to 120° F (0° to 49° C)
<b>Stand-by Battery</b>	Application dependent. Auto switchover upon AC failure; Built in 1.5 Amp charger with current test every 48 hrs
Capacity	Enclosure supports two (2) 12VDC-7 amp-hour (AH) batteries
Type	Sealed lead acid or gel cell
<b>Power Supply Supervision</b>	
AC Power Fail	Form C dry contact relay (Relay contacts rated 28Vdc, 300mA)
Battery	Form C dry contact relay (Relay contacts rated 28Vdc, 300mA)
Cover LED Indicators	Green: AC power; Blue: DC power; Yellow: Battery charger & fault
<b>Power Distribution Controller Board Supervision</b>	
DC Fail	Form C dry contact relay (Relay contacts rated 28Vdc, 300mA)
Status output	Form C dry contact relay (Relay contacts rated 28Vdc, 300mA)
Enclosure Tamper Switch	Optional, sold separately, Normally Closed Cover tamper part No: DKPS-TSW1-02 Cover and wall removal tamper part No: DKPS-TSW2-02
<b>Certifications</b>	UL294 6th Edition Listed for access control power supply CAN/ULC-60839-11-1; CAN/ULC-S533 FCC Compliant; ISED(IC) compliant CE compliance EMC Directive 2014/30/EU
Warranty	Limited lifetime

**\*Note:** To maintain UL/ULC 294 Edition 6 or higher listing the optional tamper switch must be installed to an actively monitored input and cover secured with supplied hardware.

## Application (4 outputs):



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