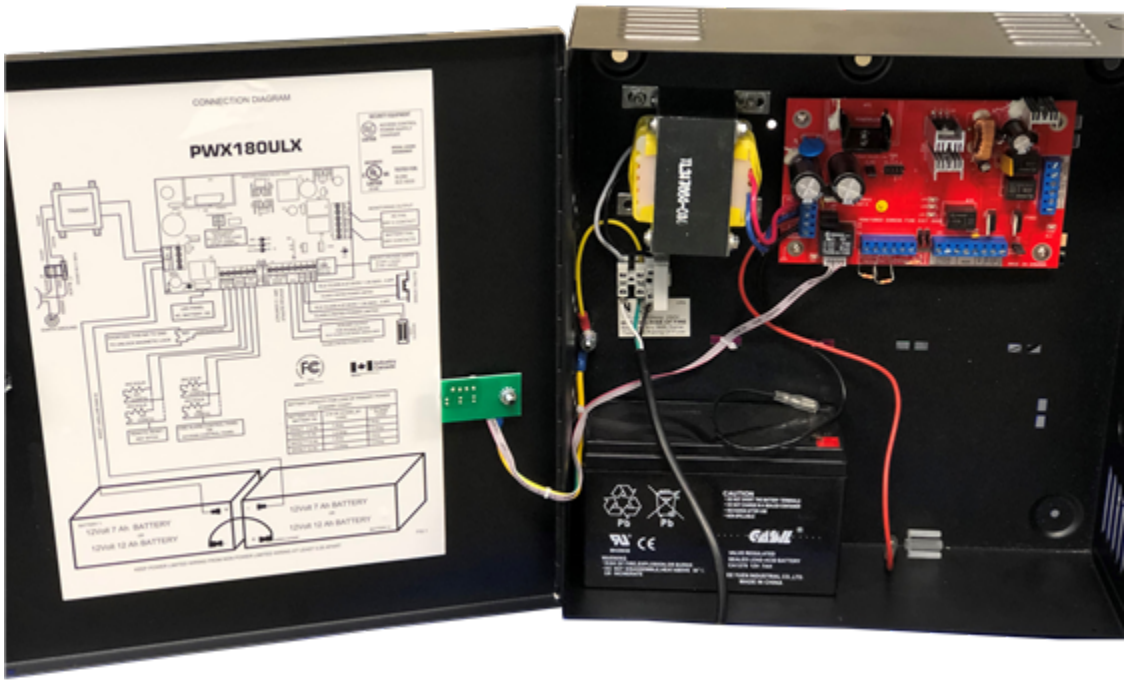
PWX180ULX

Power Supply / Charger for Access Control and Egress Doors



Key features:

- Selectable 12VDC / 24VDC output
- 1.3A continuous lock output + 200mA auxiliary output
- Integrated 500mA battery charger (7Ah or 12Ah batteries)
- Automatic switchover to standby batteries
- Supervised inputs for fire alarm and access control systems
- AC fail, battery fail and output status relays (Form C)
- Cascade connection of up to 20 units
- Status indication via LED indicators
- Indoor protected installation

*Design and specifications are subject to change without notice - Version 2026-11-03

PWX180ULX- Power Supply / Charger for Access Control and Egress Doors

Power input & outputs

Input Voltage
120 VAC

Input frequency
60Hz

Max input current
1.8A

Input fuse
3.15A 250VAC

Output voltage
Selectable 12VDC / 24VDC (jumper)

Main Output Current
1.3A continuous

Auxiliary Output Current
200 mA

Power Factor
0.6 PF

Lock outputs
2 outputs (Mag Lock / Electric Strike) protected by 2.5A PTC

Auxiliary output
Yes

Output Voltage Range (normal)
10.20–13.80VDC / 20.40–27.60VDC

Output Voltage Range (AC loss)
10.20–13.20VDC / 20.40–26.40VDC

Control inputs
Fire Trigger, Reset / REX (supervised NO / NC), Request Access

Battery & safety

Battery charger
Built-in

Charge current
500mA

Battery type
Sealed lead-acid or gel

Supported battery capacity
7Ah or 12Ah – 1 battery (12V) or 2 in series (24V)

Standby autonomy
4h standby + 5 min alarm (1A load w/ 7Ah, 1.3A w/ 12Ah)

Reverse battery protection
Yes

Automatic battery switchover
Yes

Low battery disconnect
Yes

Environment, mechanical & certifications

Operating temperature
0°C to +49°C

Max relative humidity
85%

Enclosure dimensions
323 × 331 × 110 mm (12" × 13" × 4")

Certifications
UL 294 (7th Edition), ULC-S533

UL 294 Destructive Attack
Level I

UL 294 Endurance
Level IV

UL 294 Line Security
Level I

UL 294 Standby Power
Level IV

Monitoring & indication

Monitoring relays
AC Fail, Battery Fail, Output Status (Form C)

AC / Battery Fail relay rating
28VDC, 300mA resistive

AC fail reporting
Within 60 seconds

LED indicators
Green (AC), Yellow (Battery), Blue (DC output)

Operating modes
Follow or latch with engineering reset

Cascade connection
Up to 20 units

General

Installation type
Indoor protected area

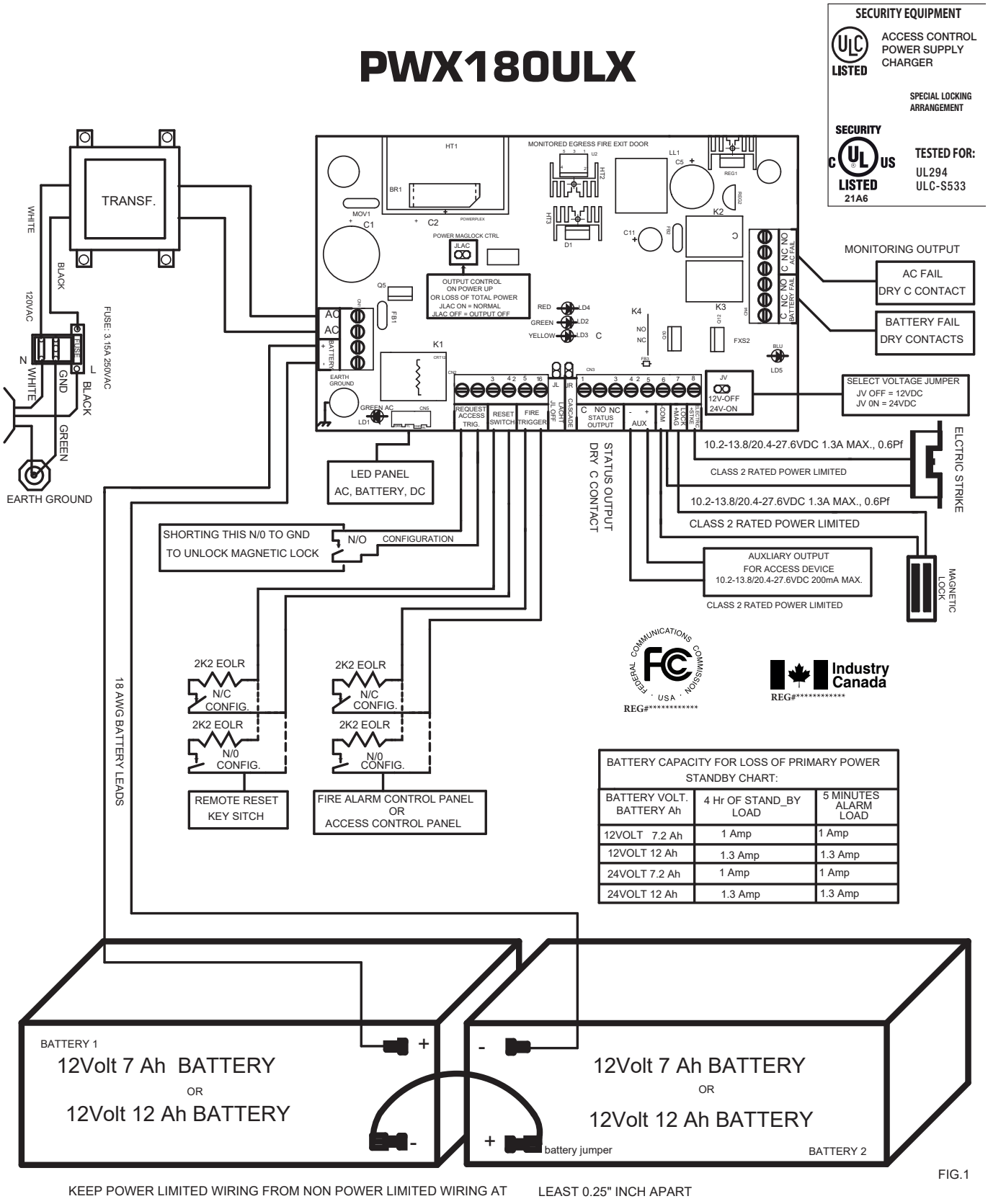
Class
Class 2 – power limited

Included accessories
18 AWG battery leads, 2K2 EOL resistors

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PWX180ULX- Power Supply / Charger for Access Control and Egress Doors

Connection diagram



BATTERY CAPACITY FOR LOSS OF PRIMARY POWER STANDBY CHART:		
BATTERY VOLT. BATTERY Ah	4 Hr OF STAND_BY LOAD	5 MINUTES ALARM LOAD
12VOLT 7.2 Ah	1 Amp	1 Amp
12VOLT 12 Ah	1.3 Amp	1.3 Amp
24VOLT 7.2 Ah	1 Amp	1 Amp
24VOLT 12 Ah	1.3 Amp	1.3 Amp

FIG.1

KEEP POWER LIMITED WIRING FROM NON POWER LIMITED WIRING AT LEAST 0.25" INCH APART

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