MICROAXS controls

Made in U.S.A.

MX-632-PFBC

Modular Access Control Power Supply

The MICROAXS MX-632-PFBC Power Supplies have been developed specifically to support electric locks and access controls. The high performance, heavy-duty circuitry is ideal for inductive loads and its modular design provides a well organized installation for individual or multi-door systems that may include locking devices, access controls, station controls and consoles for remote control, annunciation and fire/life safety system interfaces.

WARRANTY 5 YEAR WARRANTY

Features

• Filtered and Regulated
The output filtering stabilizes the DC output voltage and eliminates AC line noise. The solid state regulator maintains the selected output voltage at 12VDC or 24VDC regardless of the output load changes, including battery charging.

• Field Selectable 12 or 24VDC
The output is field selectable for 12 or 24VDC output.

• 250 mA Battery Charger Output
A separate PTC protected, battery charger output provides 13.5VDC or 27VDC.

• LED System Status Indicator
Amber - AC and DC voltages are OK
Green - No DC output
Red - No AC input, powered by batteries

• Class 2 Outputs
Where permitted by code, conduit is not required when using Class 2 outputs

• Emergency Release Input
A signal input from the fire life safety system turns off the secondary output releasing all failsafe locks. When not used for emergency release, this input may be used as main on-off control.

• Large Heavy Gauge Enclosure
Model MX-632-PFBC is housed in a 16 gauge, 16" W x 14" H x 6.5" D cabinet large enough to accommodate several additional modules and four 8Amp hour batteries with plenty of room for wiring.

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• Low Battery Disconnect
Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

• Isolated Charging Circuit
While the charging output is 13.5VDC or 27VDC, the secondary output is unaffected and precisely maintained at the selected 12 or 24VDC. This ensures system components are powered by their specified voltage.The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.

• California Compliant Manual Resetof Emergency Release and AC Power Loss
When this feature is required, should an AC power loss occur or the emergency release input is actuated, personnel must restore secondary output power manually at the power supply after the emergency release signal is reset and/or AC power is restored.

Specification

Model	MX-A632-PFBC
Input	115VAC @ 800 mA, 50/60 Hz Fused
Secondary Output	Selectable 12VDC or 24VDC @ 1.5 Amp, Poly Fuse Protected, Class 2
Battery Charger Output	250mA @ 13.5 or 27VDC, PTC Protected
Cabinet	12" W x 12" H x 4"D, Steel 20 Ga

Control Module Capacity

Power Supply	MX-632-PFBC	
Battery Qty	0-2	3-4
	MX-12V4-HB	
MX-12-VR	4	2
MX-UC1	4	2
MX-4CR-RM	2	1
MX-UC2-4S	NA	NA
MX-UC4-8S	NA	NA

* Total combined load of modules and access control hardware may not exceed 1.5 amp.

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Power Supply

12VDC Standby Power

5 Ah Battery Qty	1	2	4
Amp Hours	5Ah	10Ah	20Ah
Load/Amps	Power Back-up Time in Hours		
0.25	19.6	49	124
0.50	7.8	20	49
1.00	3.8	11.3	19.4
1.50	1.8	45	11.3

24VDC Standby Power

5 Ah Battery Qty	2	4
Amp Hours	5Ah	10Ah
Load/Amps	Power Back-up Time in Hours	
0.25	250	40
0.50	8.5	20
1.00	3.8	8.5
1.50	2.3	5.5

8 Ah Battery Qty	1	2	4	6
Amp Hours	8Ah	16Ah	32Ah	48Ah
Load/Amps	Power Back-up Time in Hours			
0.25	36.7	85	175	400
0.50	15	36	85	157
1.00	6.5	14.4	36	62
1.50	4	9	21	36

8 Ah Battery Qty	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
0.25	36.7	85	158
0.50	15	36	62.7
1.00	6.5	14.4	24.8
1.50	4	9	15

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