



MODULAR ACCESS CONTROL POWER SUPPLY

632RF 2 AMP

POWER SUPPLY

Modular Access Control Power Supply

Field Selectable 12VDC or 24VDC Output - Standard
Dual 12VDC and 24VDC Output - Optional



Quality, Performance & Versatility

The IDC 632RF 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 multi-door applications. The modular design is built around several different application control modules to meet your specific needs for virtually any electric lock system. IDC power supplies are designed to provide 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 interface.



"Security Industry Finest"
ISC Expo



MADE IN THE USA



Access Control Power Supply - ALVY
General Purpose Power Supply - QQFU/QQFU7

Modular Design

Ten different, individually fused door control modules are available for virtually any application. Time delays, latching relays and multiple fuses are available for custom configuration in the field or at the factory.

DIP Switch Select System Operation

Specification of the UR Universal Access Hardware Controller provides for six standard DIP switch selectable system and mantrap variations for multiple door systems.

Manufactured & Tested to Rigorous Standards

IDC 600 Series power supplies are manufactured according to **ISO 9001-2000** registered quality standards. Tests are conducted according to tough UL criteria.

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.

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 Output

Where permitted by code, conduit is not required for the Class 2 output.

Large Heavy Gauge Enclosure

Model 632RFA is housed in a 16 gauge, 16"W x 14"H x 6.5"D cabinet large enough to accommodate several additional modules and six 7 Amp hour batteries with plenty of room for wiring.

Value Added Features

Emergency Release Input (Standard)

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.

California Compliant Manual Reset of Emergency Release and AC Power Loss (Optional)

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.

Low Battery Disconnect (Standard)

Batteries are disconnected from the output circuit prior to deep discharge preventing battery destruction.

Isolated Charging Circuit (Standard)

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.

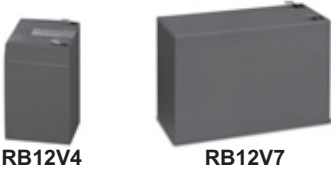
The secondary output current is maintained at the full 2 Amp capacity and is not de-rated when charging batteries.

Ordering Information

- 632RFL** 2 Amp Power Supply Only
Less Cabinet
- 632RF** 2 Amp Power Supply
12"W x 12"H x 4"D Cabinet
- 632RFA** 2 Amp Power Supply
16"W x 14"H x 6.5"D Cabinet

Options

- MR-1** Push switch for manual reset of emergency release and AC power loss. California state compliant (CSFM). Consult your local Authority Having Jurisdiction (AHJ) for reset requirements. (See description page 1)
- PC** 6 foot Power Cord.
- KL** Key locked cover.
- 14-2** 7-day skip-a-day timer.
- PS-1** On-Off Push switch inside cabinet. 632RFA only.
- PS-1A** On-Off push switch on cover.
- 230V** 220/230VAC, 50/60 Hz input. (Not UL Listed)



IDC power supplies equipped with batteries provide continuous operation of access controls, locking devices and peripheral components during a power failure.
See Table 2 & 3 to determine battery requirements for standby power.

- RB12V4** 12VDC, 5 Amp Hour Battery
632RF capacity, 4 maximum
- RB12V7** 12VDC, 8 Amp Hour Battery
632RFA capacity, 6 maximum

Table 1: Control Module Capacity *

Power Supply:	632RF		632RFA		
	Battery Qty.	0-2	3-4	0-2	3-6
		RB12V4		RB12V7	
FB4	4	2	4	4	
12VR	4	2	4	4	
PSM	1	1	1	1	
UR-2A, UR-4A	NA	NA	2	1	
TD	4	2	8	4	
CR	4	2	8	4	
CR-4	2	1	4	2	
ACM-1	2	1	4	2	
LR	4	2	8	4	
PB-8, PB-16	2	2	2	2	

* Total combined load of modules and access control hardware may not exceed 2 amp.

Specification Example

Specify model, options, modules and batteries.

632RF x KL/PS-1 x 2 FB4 x 2 RB12V4
632RFA x KL x CR4 x 4 RB12V7



632RFL
Less Cabinet

Electrical Specifications

Input:
115VAC @ 800mA, 50/60 Hz, Fused
(220/230VAC 50/60 Hz optional)

Selectable Secondary Output:
12VDC or 24VDC @ 2 Amp,
poly fuse protected, Class 2

Battery Charger Output:
PTC protected 250mA @ 13.5 or 27VDC



632RF x PC x CR4 x 2 RB12V4

Mechanical Specifications

632RF:
12"W x 12"H x 4"D
(305 x 305 x 102mm)

Material: Steel, 20 Ga., (0.912mm)

632RFA:
16"W x 14"H x 6.5"D
(406.4 x 355.6 x 165.1mm)

Material: Steel, 16 Ga., (1.52mm)



632RFA x UR4A x 4 RB12V7

Table 2: 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	3.1	11.3	19.4	
1.50	1.8	4.5	11.3	
2.00	1.2	3.1	7.7	
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	92	232	400
0.50	14.5	36	92	157
1.00	5.7	14.4	36	62
1.50	3.3	8.4	21	36
2.00	2.3	5.7	14.4	24.7

Table 3: 24VDC Standby Power

5 Ah Battery Qty	2	4	
Amp Hours	5Ah	10Ah	
Load/Amps	Power Back-up Time in Hours		
0.25	19.6	49	
0.50	7.8	20	
1.00	3.1	11.3	
1.50	1.8	4.5	
2.00	1.2	3.1	
8 Ah Battery Qty	2	4	6
Amp Hours	8Ah	16Ah	24Ah
Load/Amps	Power Back-up Time in Hours		
0.25	36.7	92	158
0.50	14.5	36	62.7
1.00	5.7	14.4	24.8
1.50	3.3	8.4	14.4
2.00	2.3	5.7	9.8