



MODULAR ACCESS CONTROL POWER SUPPLY

631RF 1.5 AMP

POWER SUPPLY

Modular Access Control Power Supply

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



SIA "Security Industry Finest"
ISC Expo



ALVY - Access Control Systems Unit
 URTZ - Fire and Burglar Alarm Power Supply
 SYSW - Releasing Device Accessory

Quality, Performance & Versatility

The IDC 631RF 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.

Manufactured & Tested to Rigorous Standards

IDC 600 Series power supplies are manufactured according to ISO 9001 certified quality standards.

Tests are conducted according to tough UL 1481 criteria for specific use with access controls, fire and burglary applications.

Modular Design

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

DIP Switch 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.

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.

Large Heavy Gauge Enclosure

Model 631RFA 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

The Fire/Life Safety emergency release input is standard on all IDC power supplies.

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 1.5 Amp capacity and is not de-rated when charging batteries.

International Door Closers, Inc.

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Ordering Information

631RFL	1.5 Amp Power Supply Only Less Box
631RF	1.5 Amp Power Supply 12"W x 12"H x 4"D
631RFA	1.5 Amp Power Supply 16"W x 14"H x 6.5"D

Options

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. 631RFA only.
PS-1A	On-Off push switch on cover.
230V	220/230VAC, 50/60 Hz input. (Not UL Listed)



RB12V4



RB12V7

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 631RF capacity, 4 maximum
RB12V7	12VDC, 8 Amp Hour Battery 631RFA capacity, 6 maximum

How to Order

Specify model, options, modules and batteries.

631RF x KL x PS-1 x 2 RB12V4

631RFA x KL x CR4 x 4 RB12V7

Electrical Specifications

Input:
115VAC @ 800mA, 50/60 Hz, Fused
(220/230VAC 50/60 Hz optional, not UL Listed)

Selectable Secondary Output:
12VDC or 24VDC @ 1.5 Amp,
poly fuse protected, Class 2

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

Mechanical Specifications

631RF: 12"W x 12"H x 4"D
(305 x 305 x 102mm)
Material: Steel, 20 Ga., (.912mm)

631RFA: 16"W x 14"H x 6.5"D
(406.4 x 355.6 x 165.1mm)
Material: Steel, 16 Ga., (1.52mm)



631RFL
1.5 Amp Power Supply
Less Box



631RF x PC x CR4 x 2 RB12V4



631RFA x UR4A x 4 RB12V7

Table 1: Control Module Capacity *

Power Supply:	631RF		631RFA	
	Battery Qty.		Battery Qty.	
	0-2	3-4	0-2	3-6
	RB12V4		RB12V7	
FB4	4	2	4	4
12VR	1	1	1	1
PSM	1	1	1	1
UR-2A, UR-4A	NA	NA	1	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	1	1	1	1

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

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	
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

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	
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