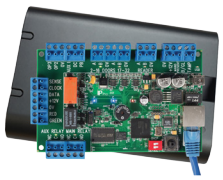
IP Pro™ Access Control Solution

Single Door Electrified Lock Application

1 Access Control

IP Controller



IPDCE

2 Power Supply UL LISTED

12 and 24VDC Output

602RFX12VR

OPTIONAL BATTERY BACKUP
RB12V4-2

3 Wiegand Reader Options (Choose one):

Prox Reader or Keypad-Prox Combo

IPRW

920PW

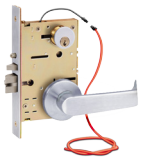
923PW

OPTIONAL CREDENTIALS
Fobs - HID1346-10
Cards - HID1326-25

4 Electrified Lock UL LISTED (Choose one):

Cylindrical or Mortise

Z7252EQ

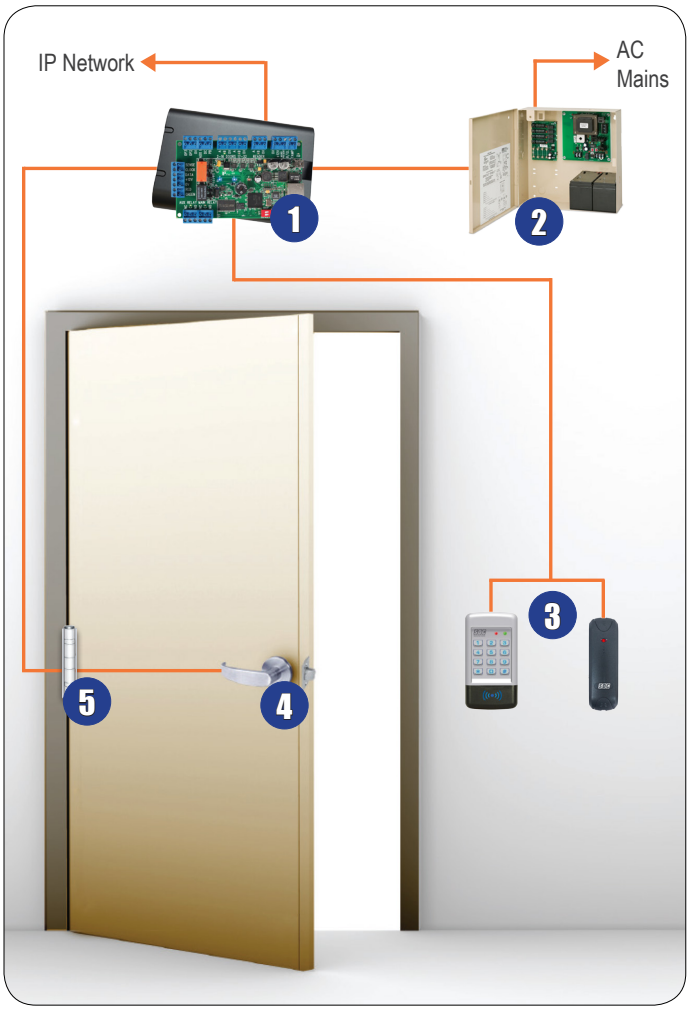


Z7852EQ

5 Power Transfer Hinge UL LISTED

4 Wire, $4^{1/2}$" x $4^{1/2}$"

PTH-4Q



SYSTEM OPERATION

Door is normally closed and secured by an electrified lockset.

Authorized Access: Presenting a valid card or entering a valid user code on the reader will momentarily unlock the door for access. The unlock time will be configured by the access control programming. The door may also be programmed for maintained access.

Authorized Egress: Free egress is available at all times by turning the inside lever, retracting the latchbolt, and opening the door.

Emergency Override: The door may be accessed by key override.

Low Voltage: System is powered by a regulated & filtered power supply with 12VDC output for access control equipment and 24VDC output for locking hardware to maximize efficiency. Loss of power will result in unsecure door, unless equipped with optional battery back-up.

IP-based Access Control: User-friendly programming interface via a built-in web server, accessible from any networked PC.

SDC Security Door Controls

(800) 413-8783 ▪ www.SDCsecurity.com

System Components:
(1) **602RFX12VR** – 1 Amp Regulated Power Supply w/ Fire Alarm Interface & 12VDC Output Module.
(1) **IPDCE** – IP Pro™ Single Door Controller
Choose (1) Electrified Lockset:
Z7252EQ – Fail-Secure Electrified Cylindrical Lockset, Eclipse Trim, 626
Z7852EQ – Fail-Secure Electrified Mortise Lockset, Eclipse Trim, 626

Choose (1) Card Reader:
IPRW – Indoor/Outdoor Proximity Card Reader
920PW – Single Gang Indoor/Outdoor Proximity Card Reader w/ integral Keypad
923PW – Frame mount Indoor/Outdoor Proximity Card Reader w/ integral Keypad

(1) **PTH-4Q** – Power Transfer Hinge, 4.5"x4.5", 626
(1) **RB12V4-2** – Two 5Ah 12VDC Backup Batteries (Optional)
(1) **HID1346-10** – Ten Proximity Key Fobs (Optional)

IP Network
Cat5 (or better)
AC Mains
(3) COND
IP Pro Door Controller
(2) 18/2C
602RF Power Supply x 12VR
18/4C
22/6C
Entry Card Reader
PTH-4Q Power Transfer Hinge
Cylindrical OR Mortise Electrified Lock (Fail-Secure)

SDC P/N: **602RFX12VR**
12VR
602RF
TO 120VAC PRIMARY VOLTAGE CONNECTION
VOLTAGE SELECTION SWITCHES (SET FOR 24VDC)
Battery Input Terminals
DC Voltage Output Terminals
FACTORY INSTALLED JUMPER (REMOVE ONLY IF FIRE ALARM INTERFACE IS CONNECTED)
12VDC
24VDC
RB12V4 5 AMP HOUR BATTERY
RB12V4 5 AMP HOUR BATTERY
SDC P/N: **RB12V4-2**

SDC P/N: **IPRW**
SDC P/N: **920PW**
SDC P/N: **923PW**
SDC P/N: **Z7852EQ**
SDC P/N: **Z7252EQ**

OP3 OP2 0V AUX 1 DC PB
A B 0V A B 0V
2-16 DOORS 17-32
0V +12V MAINS PRESENT B/GL TAMP
SENSE
CLOCK/D1
DATA/D0
+12V
0V
RED
GREEN
SDC P/N: **IPDCE**
IP Pro™ Door Controller (Door #1)
Ethernet
RJ-45
DHCP
OFF
DEFAULT
AUX RELAY NC C NO
MAIN RELAY NC C NO
To PC or Local Network

RED
BLK
BLU
WHT
MOV*

Spare
Spare
Red
Blk
Wht
Grn
Red
Blk
Power Transfer Hinge
SDC P/N: **PTH-4Q**

RED (+)
BLK
BLU
WHT (-)
BLU
WHT
LOCKSET PR-7200 POWER REGULATOR
RED (+)
BLK (-)
(24VDC Configuration shown)

© 2015 Security Door Controls Printed in U.S.A

Security Door Controls
801 Avenida Acaso
Camarillo, CA 93012
t 805.494.0622 ~ f 805.494.8861
www.sdcsecurity.com

NOTE: ALL WIRING MUST BE REVIEWED AND APPROVED BY THE PROJECT ENGINEER ASSIGNED TO THE LOCATION FOR ITS CORRECTNESS AND SUITABILITY FOR THE APPLICATION IN WHICH THE EQUIPMENT IS INSTALLED AND OPERATED. ALL WIRING MUST CONFORM TO NATIONAL, STATE, AND LOCAL CODES FOR CLASS 2 FIRE PROTECTION AND CONTROL DEVICES.

PROJECT NAME:	TITLE:		SO NO.:	REV
IP Pro Single Door Applications	IP Pro™ 1-Door System with Electrified Cylindrica or Mortise Lock		-	-
LOCATION.:	DIST.:	CONTACT:	DATE:	DRAWN BY:	DWG. NO.:	
--	-	service@sdcsecurity.com	07/2015	-	IPPRO Apps	Page 8 of 8