IP Pro™ Access Control Solution
Single Door DELAYED EGRESS Application

1 ## Access Control
IP Controller

IPDCE
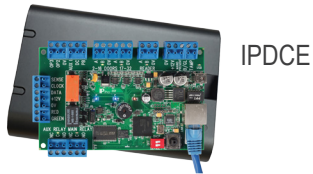
2 ## Power Supply ⓤ LISTED
12 and 24VDC Output

OPTIONAL BATTERY BACKUP
RB12V4-2

602RFX12VR
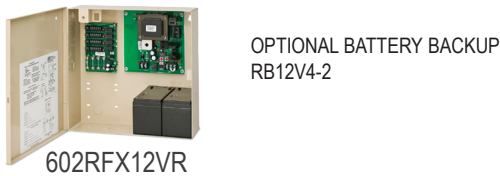
3 ## Wiegand Reader Options (Choose one):
Prox Reader or Keypad-Prox Combo

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

IPRW   920PW   923PW

4 ## Electrified Lock ⓤ LISTED
All-In-One Delayed Egress

SDC PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

S6000-101

5 ## Power Transfer Device ⓤ LISTED * (Choose one):
Wire Transfer Hinge or Loops

PTH-10Q*

PTM-10AL

PT-5*

AC Mains → IP Network

SDC PUSH UNTIL ALARM SOUNDS. DOOR CAN BE OPENED IN 15 SECONDS.

SYSTEM OPERATION

Door is normally closed and secured by a delayed egress panic device.

Delayed Egress (Unauthorized): Pressing the push pad of the S6000-101 device initiates an irreversible 15 second unlock delay cycle. An audible alarm and yellow status LED inform the person intending to exit of the door release cycle activation. After the delay cycle has expired, the status LED illuminates Red, and power is removed from the locking device, allowing free egress by pressing the push pad.
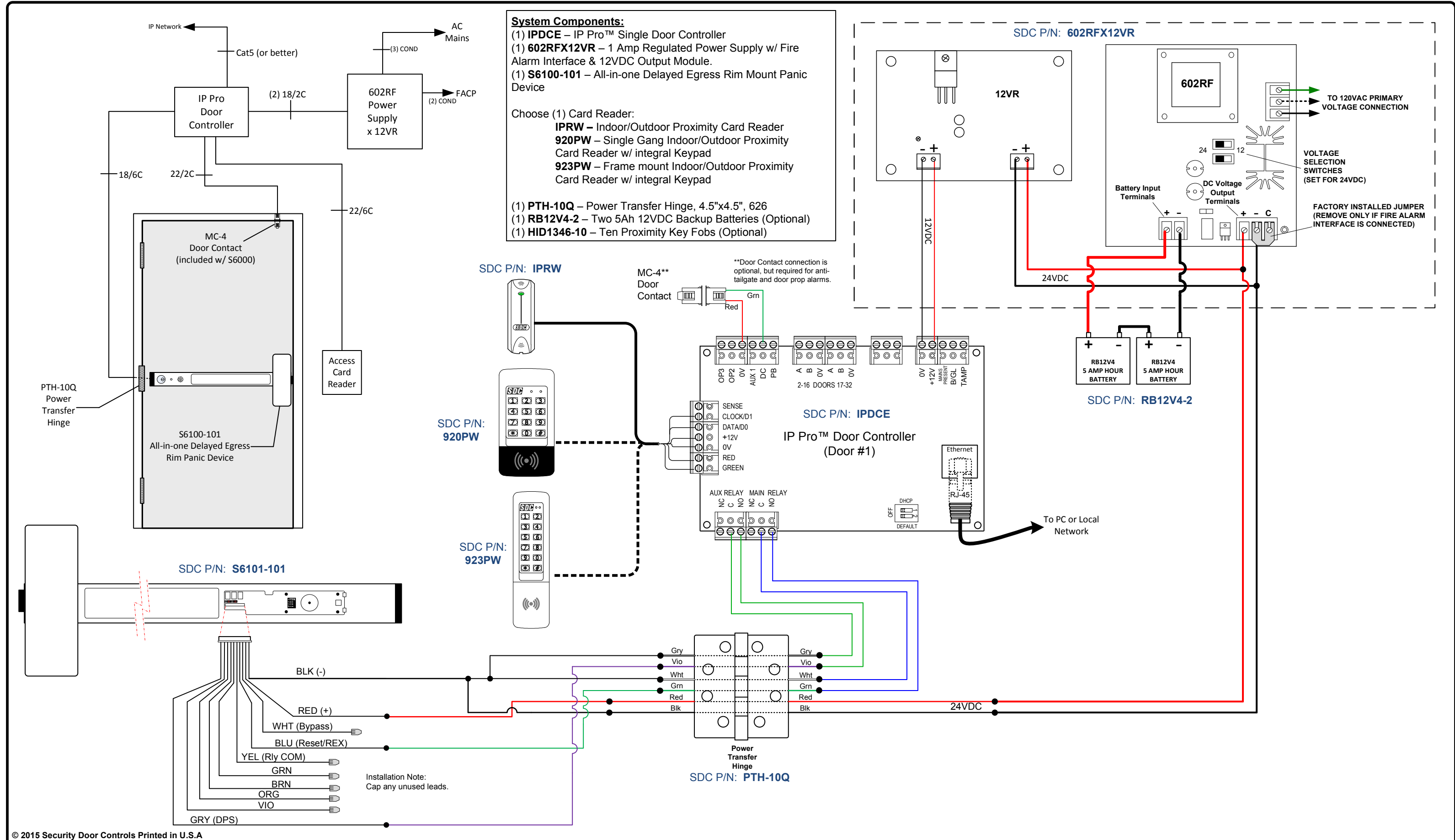
Authorized Egress: A timed Request-to-Exit (REX) cycle is initiated by authorized personnel by momentarily turning the integral key switch to the reset position, or by presenting a valid credential to the card reader. Power will be removed from the locking device allowing free egress by pressing the push pad.

Authorized Access: No access from the opposite side. Exit only.

Authorized Override (Maintained Bypass): The device may be unlocked for an extended period of time by momentarily turning the integral key switch to the Bypass position.

Low Voltage: The system is powered by an SDC regulated & filtered power supply with 12VDC output for access control equipment and 24VDC output for locking hardware to maximize efficiency. Loss of power or a signal from the Fire Alarm Control Panel will unlock the device and allow for immediate egress. The door remains secure from the outside.

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

SDC
Security Door Controls

(800) 413-8783 ▪ www.SDCsecurity.com

IP Network

AC Mains

Cat5 (or better)

(3) COND

IP Pro Door Controller

(2) 18/2C

FACP

602RF Power Supply x 12VR

(2) COND

18/6C

22/2C

22/6C

MC-4 Door Contact (included w/ S6000)

PTH-10Q Power Transfer Hinge

S6100-101 All-in-one Delayed Egress Rim Panic Device

Access Card Reader

System Components:
(1) **IPDCE** – IP Pro™ Single Door Controller
(1) **602RFX12VR** – 1 Amp Regulated Power Supply w/ Fire Alarm Interface & 12VDC Output Module.
(1) **S6100-101** – All-in-one Delayed Egress Rim Mount Panic Device

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-10Q** – 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)

SDC P/N: **602RFX12VR**

12VR

12VDC

602RF

TO 120VAC PRIMARY VOLTAGE CONNECTION

24 12

VOLTAGE SELECTION SWITCHES (SET FOR 24VDC)

Battery Input Terminals

DC Voltage Output Terminals

FACTORY INSTALLED JUMPER (REMOVE ONLY IF FIRE ALARM INTERFACE IS CONNECTED)

24VDC

+ –   + – C

RB12V4 5 AMP HOUR BATTERY

RB12V4 5 AMP HOUR BATTERY

SDC P/N: **RB12V4-2**

SDC P/N: **IPRW**

MC-4** Door Contact

Grn
Red

**Door Contact connection is optional, but required for anti-tailgate and door prop alarms.

SDC P/N: **920PW**

SDC P/N: **923PW**

OP3 OP2   AUX 1 DC PB   A B 0V   A B 0V   0V +12V MAINS PRESENT BI/GL TAMP

2-16 DOORS 17-32

SENSE
CLOCK/D1
DATA/D0
+12V
0V
RED
GREEN

SDC P/N: **IPDCE**

IP Pro™ Door Controller (Door #1)

Ethernet
RJ-45

AUX RELAY   MAIN RELAY
NC C NO   NC C NO

OFF   DHCP
DEFAULT

To PC or Local Network

SDC P/N: **S6101-101**

BLK (-)

RED (+)

WHT (Bypass)

BLU (Reset/REX)

YEL (Rly COM)

GRN

BRN

ORG

VIO

GRY (DPS)

Installation Note:
Cap any unused leads.

Gry
Vio
Wht
Grn
Red
Blk

Gry
Vio
Wht
Grn
Red
Blk

Power Transfer Hinge

SDC P/N: **PTH-10Q**

24VDC

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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:
IP Pro Single Door Applications

LOCATION.:
--

DIST.:
-

TITLE:
IP Pro™ 1-Door System with Delayed Egress All-in-one Panic Device

CONTACT:
service@sdcsecurity.com

DATE:
11/2015

DRAWN BY:
-

SO NO.:
-

REV
-

DWG. NO.:
IPPRO Apps