

SCHLAGE SRCNX-R INSTALLATION GUIDE

SRCNX-R READER CONTROLLER CONFIGURATIONS

SCHLAGE SSRC READER CONTROLLER SETTINGS

QUICK GUIDE PIN SETTINGS

SEE PIN FUNCTIONS FOR MORE DETAILS

R0 CONFIGURATION SSRC CONTROLLER

SSRC CONTROLLER WITH NO SIONX-8

- W1 - JUMPER PLACED ON - PINS 2 & 3
- W2 - JUMPER PLACED ON - PINS 2 & 3
- W3 - JUMPER PLACED ON - PINS 1 & 2
- W5 - JUMPER PLACED ON - PINS 3 & 4
- W6 - JUMPER PLACED ON - PINS 2 & 3
- W7 - JUMPER PLACED ON - PINS 3 & 4
- W9 - JUMPER OFF - PINS 1 & 2
- W9 - JUMPER PLACED ON - PINS 5 & 6

E1 CONFIGURATION SSRC CONTROLLER

SSRC CONTROLLER WITH ONE SIONX-8

- W1 - JUMPER PLACED ON - PINS 2 & 3
- W2 - JUMPER PLACED ON - PINS 2 & 3
- W3 - JUMPER PLACED ON - PINS 1 & 2
- W5 - JUMPER PLACED ON - PINS 3 & 4
- W6 - JUMPER PLACED ON - PINS 2 & 3
- W7 - JUMPER PLACED ON - PINS 3 & 4
- W9 - JUMPER OFF - PINS 1 & 2
- W9 - JUMPER PLACED ON - PINS 5 & 6

R2 CONFIGURATION SSRC CONTROLLER

SSRC CONTROLLER WITH TWO SIONX-8'S

- W1 - JUMPER PLACED ON - PINS 2 & 3
- W2 - JUMPER PLACED ON - PINS 2 & 3
- W3 - JUMPER PLACED ON - PINS 1 & 2
- W5 - JUMPER PLACED ON - PINS 3 & 4
- W6 - JUMPER PLACED ON - PINS 2 & 3
- W7 - JUMPER PLACED ON - PINS 3 & 4
- W9 - JUMPER OFF - PINS 1 & 2
- W9 - JUMPER PLACED ON - PINS 5 & 6

DS - LED INDICATOR

- DS1 - ON=ETHERNET CONNECTION
- DS2 - OFF=10 BASE T
- DS3 - SLOW BLINK=NO DATA COMMUNICATION
- FAST BLINK=DATA COMMUNICATION

SCHLAGE GENERAL INFORMATION

IMPORTANT WARNING

INCORRECT WIRING TO THE POWER CONNECTOR (J1 OR J2) WILL CAUSE SERIOUS DAMAGE TO THE EQUIPMENT. PLEASE CHECK ALL WIRING CONNECTIONS PRIOR TO TURNING THE SYSTEM ON.

IMPORTANT NOTES

- DEFAULT IP ADDRESS: 192.168.168.249
- DEFAULT SUBMASK: 255.255.255.0
- ALL INTERCONNECTED DEVICES MUST BE UL LISTED
- USE A POWER LIMITED UL294 LISTED ACCESS CONTROL POWER SUPPLY
- USE ALL UL LISTED AND/OR RECOGNIZED WIRE SUITABLE FOR THE APPLICATION

PROTOCOL CONFIGURATION NOTES

DEVICE PROTOCOL:

- 1. SMS PROTOCOL INCLUDES: SIONX-8, SIONX24, SRINX (OLD AND NEW), HC11 READER INTERFACES
- 2. I-SERIES PROTOCOL INCLUDES: SCHLAGE WA SERIES, AD 400 SERIES, AD 300 SERIES LOCKS, SCHLAGE VIP (F PROTOCOL ONLY, OLD VIP PROTOCOLS NOT SUPPORTED)

EACH DATA CHANNEL CAN ONLY SUPPORT THE SAME PROTOCOL DEVICES.

EXAMPLE: DATA CHANNEL 2 ON THE SRCNX-R (J4) THROUGH J7) CAN ONLY BE USED TO CONNECT F PROTOCOL, OR SMS PROTOCOL DEVICES. ONLY ONE TYPE PER DATA CHANNEL, MIXING PROTOCOLS WILL CAUSE CONFLICTS WITH THE DEVICES.

WHEN SIONX-8 MODULES ARE INSTALLED ON THE SRCNX-R, DATA CHANNEL 3 CAN ONLY BE USED FOR SMS PROTOCOL DEVICES. DATA CHANNEL 2 CAN BE USED FOR SMS OR F PROTOCOL DEVICES, NOT MIXED PROTOCOLS.

SCHLAGE SRCNX-R READER CONTROLLER

J2 - (SRCNX-R) +24V
WILL POWER THE ON-BOARD SSRC/SIONX-8

POWER REQUIREMENTS: 24VDC

CURRENT CONSUMPTION: 360mA MAX (W/ 2 SIONX-8 MOUNTED)

WHEN POWERING THE SRCNX-R USE CONNECTOR J2:

PIN 1 PWR

PIN 2 GND

REC WIRE: 2 COND./18 AWG./TWISTED/SHLD/STRO (UP TO 500 FT)

REQUIRED POWER SUPPLY - 24VDC RATED, UL294 POWER LIMITED POWER SUPPLY CAPABLE OF FOUR HOURS OF STANDBY BATTERY POWER IN J2 POWER BOX

J1 - (SRCNX-R) +24V
WILL POWER THE DEVICES CONNECTED AT J4 - J11

WHEN POWERING THE CONNECTING DEVICES USE J1:

PIN 1 PWR

PIN 2 GND

REC WIRE: 2 COND./18 AWG./TWISTED/SHLD/STRO (UP TO 500 FT)

REQUIRED POWER SUPPLY - 24VDC RATED, UL294 POWER LIMITED POWER SUPPLY CAPABLE OF FOUR HOURS OF STANDBY BATTERY POWER IN J1 POWER BOX

DEVICE POWER REQUIREMENTS

MODEL #	DESCRIPTION	AMPS	VOLTAGE
SRNX	READER INTERFACE	300mA	12-24VDC
SIONX-8	I/O EXPANSION	300mA	12-24VDC
AD-300	LOCK HARDWARE	300mA	12-24VDC
PIA400-485	WIRELESS MODULE	300mA	12-24VDC
VIP	LOCK HARDWARE	600mA	24VDC

MODEL NUMBER:

SRCNX-R - SCHLAGE SRCNX-R READER CONTROLLER BOARD

SSRC - SCHLAGE SSRC NETWORK READER CONTROLLER

SIONX-8 - INPUT/OUTPUT EXPANSION BOARD

DOCUMENT FORM: SCHLAGE SRCNX-R INSTALLATION GUIDE SRCNX-RIC10-16-09 REV. 2

PRODUCT REFERENCE MATERIAL:

- FOR PROGRAMMING INSTRUCTIONS PLEASE REFER TO SCHLAGE SMS USER MANUAL, SMSU10-16-09 REV. 2-5.3.5 SPI
- FOR HARDWARE INSTRUCTIONS PLEASE REFER TO SCHLAGE SMS INSTALLATION MANUAL, SMSIM10-16-09 REV. 2-5.3.5 SPI

SCHLAGE SIONX-8

SIONX-8 CONFIGURATION SETTINGS ON THE SRCNX-R

- W1 - RS485 COMMUNICATION LINE TERMINATOR
- W2 - BR06 (NOT USED) NO JUMPER (DEFAULT)
- W3 - I/O EXPANSION ADDRESSING FUNCTION: SIONX-8 POSITION 1, ADDRESS 15
- W3 - JUMPER PLACED ON - PIN 1 & 2
- W3 - NO JUMPERS

SIONX-8 CONTACT INPUTS

- P1: GND, C1, GND, C2
- P2: GND, C3, GND, C4
- P3: GND, C5, GND, C6
- P4: GND, C7, GND, C8

DEVICE TYPE:

- D0D (SUPERVISED)-MAX. DISTANCE 1,000 FT.
- D0D (UNSUPERVISED)-MAX. DISTANCE 2,000 FT.
- REC WIRE: 2 COND./22 AWG./TWISTD/SHLD/STRO

SIONX-8 RELAY OUTPUTS

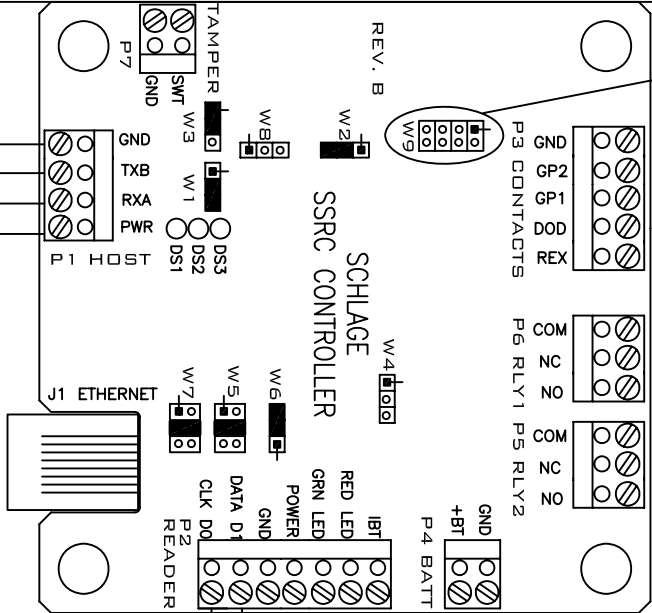
- P8-P15
- PIN 1 NORMALLY OPEN
- PIN 2 NORMALLY CLOSED
- PIN 3 COMMON

RELAYS RATED AT 1A @ 30VDC

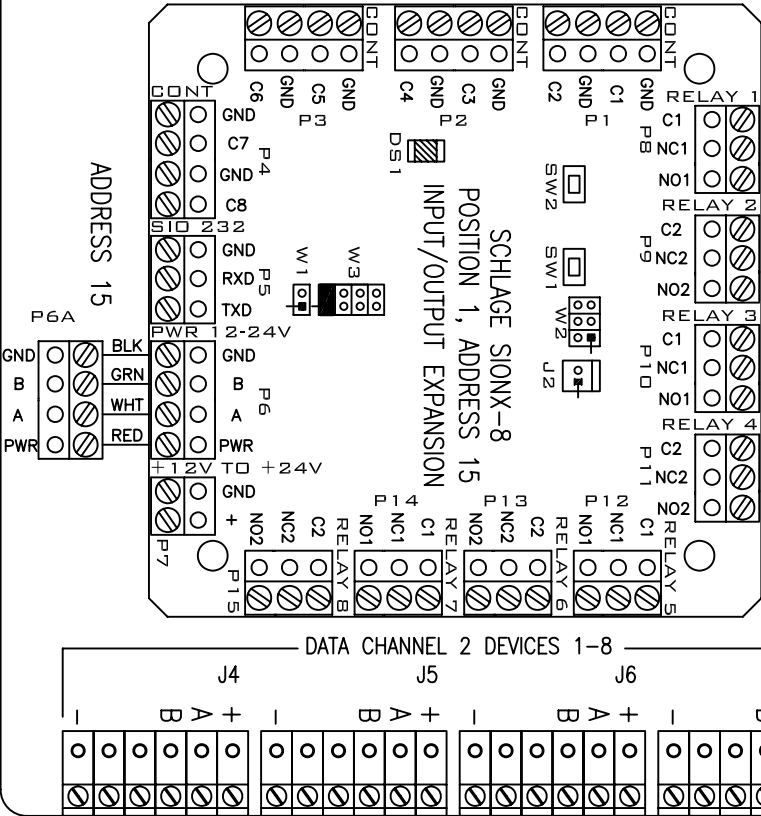
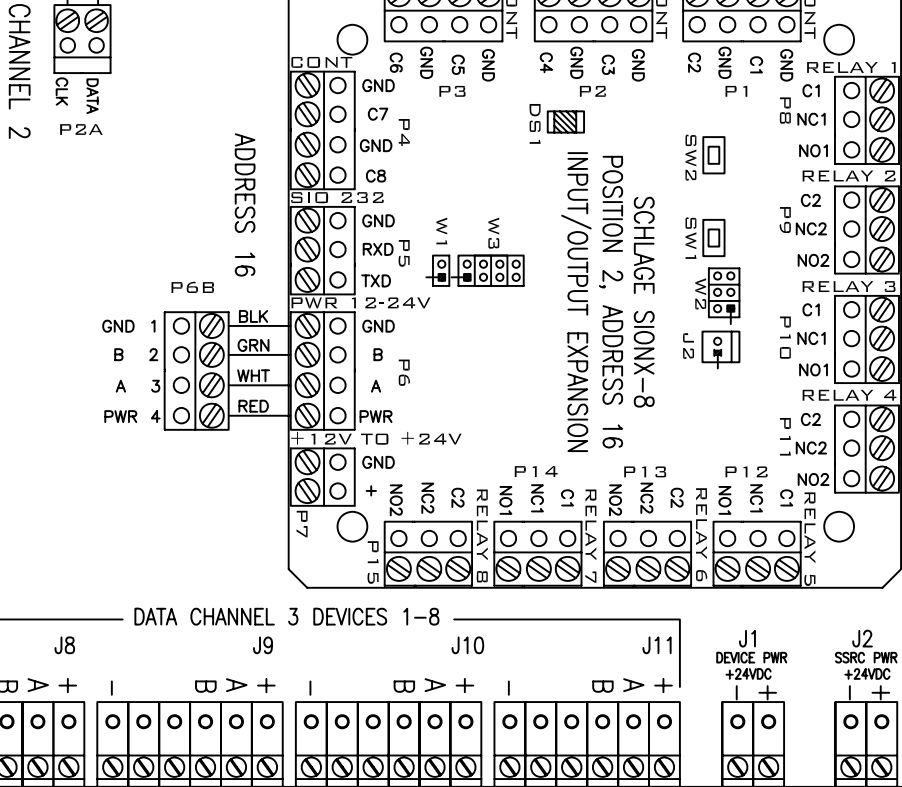
DS1 - LED INDICATOR

SLOW BLINK - POWER, NO DATA COMMUNICATION

FAST BLINK - POWER AND DATA COMMUNICATION



PLEASE PAY ATTENTION TO THE LAYOUT OF W9
NOTE THE LOCATION OF PIN 1
SEE QUICK GUIDE FOR PIN SETTINGS FOR
SSRC & SIONX-8 FUNCTIONALITY



SCHLAGE 2010
SRCNX-R READER
CONTROLLER

SYMBOL DESIGNATES PIN 1 ON CONNECTOR