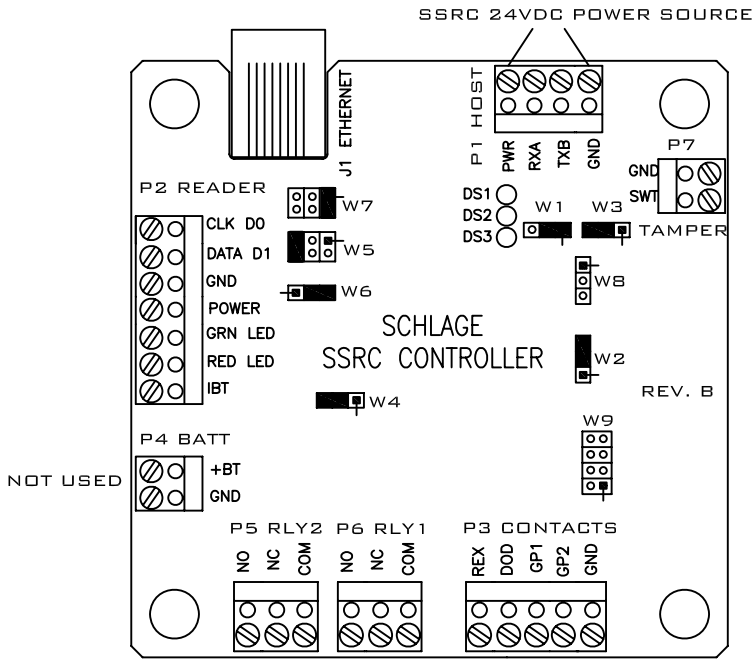
SCHLAGE SSRC INSTALLATION GUIDE

SSRC SINGLE DOOR CONTROLLER CONFIGURATION

IMPORTANT NOTES

-JUMPERS DEPICT THE FACTORY DEFAULT SETTINGS
-USE A POWER LIMITED UL294 LISTED ACCESS CONTROL POWER SUPPLY
-ALL INTERCONNECTED DEVICES MUST BE UL LISTED
-USE ALL UL LISTED AND/OR RECOGNIZED WIRE SUITABLE FOR THE APPLICATION
-DEFAULT IP ADDRESS: 192.168.168.249
-DEFAULT SUBMASK: 255.255.255.0
▼ SYMBOL DESIGNATES PIN 1 ON CONNECTOR
-PLEASE PAY ATTENTION TO THE LAYOUT OF W9, NOTE THE LOCATION OF PIN 1



▼ SYMBOL DESIGNATES PIN 1 ON CONNECTOR

PLEASE PAY ATTENTION TO THE LAYOUT OF W9, NOTE THE LOCATION OF PIN 1

P1 – POWER

SSRC POWER REQUIREMENTS: 20–32VDC
SSRC CURRENT CONSUMPTION: 100mA MAX WITHOUT A READER CONNECTED
P1 – POWER SOURCE 24VDC
PIN 4 PWR +
PIN 3 RXA (NOT USED)
PIN 2 TXB (NOT USED)
PIN 1 GND –
REC WIRE: 2 COND./18 AWG./TWSTED/SHLD/STRD (UP TO 500 FT)
POWERED LOCALLY:
REQUIRED POWER SUPPLY – 24VDC RATED, UL294 POWER LIMITED POWER SUPPLY CAPABLE OF FOUR HOURS OF STANDBY BATTERY POWER IN P1 POWER BOX

INCORRECT WIRING TO THE POWER CONNECTOR (P1) WILL CAUSE SERIOUS DAMAGE TO THE EQUIPMENT.

PLEASE CHECK ALL WIRING CONNECTIONS PRIOR TO TURNING THE SYSTEM ON.

J1 – SSRC NETWORK CONNECTION

SSRC CONTROLLER: ETHERNET 10 BASE T ONLY
RECOMMENDED WIRE: CAT 5 OR GREATER
IT IS REQUIRED TO INSTALL THE SUPPLIED DATA SURGE PROTECTOR: DITEK DTK–MRJ45C5E OR UL LISTED EQUIVALENT BETWEEN THE NETWORK CONNECTION AND THE SSRC.

SSRC ENCLOSURE – (P7 TAMPER)

THE ENCLOSURE DOOR IS HINGED AND PROVIDED WITH A LOCK, KEY AND TAMPER SWITCH – CONNECT THE TAMPER SWITCH TO CONNECTOR ON P7

SSRC CONTROLLER PIN FUNCTION DESCRIPTIONS

W1/W3 – SETS THE RS–485 COMMUNICATION PROTOCOL
W2 – SETS RS485 TERMINATION
W4 – SETS READ HEAD VOLTAGE
NOTE: SERIOUS DAMAGE COULD OCCUR IF THIS JUMPER IS INCORRECTLY SET. CHECK THE READ HEAD VOLTAGE REQUIREMENTS
W5/W7 – SETS COMMUNICATION PROTOCOL
W6 – SETS RS485 TERMINATION
W8 – NOT APPLICABLE
W9 – SETS NETWORK FUNCTIONALITY CONFIGURATION
PINS 1&2 – CONFIGURES ON–BOARD WEB SERVER, CONFIGURATION GUI, TELNET, DISCOVERY TOOL AND PING.
PINS 3&4 – RESERVED FOR FUTURE USE
PINS 5&6 – N/A – NO JUMPER
PINS 7&8 – N/A – NO JUMPER

DS – LED INDICATOR

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

QUICK GUIDE PIN SETTINGS

W1 – JUMPER PLACED ON – PINS 1 & 2
W2 – JUMPER PLACED ON – PINS 2 & 3
W3 – JUMPER PLACED ON – PINS 2 & 3
W4 – JUMPER PLACED ON – PINS 1 & 2 FOR 12VDC
JUMPER PLACED ON – PINS 2 & 3 FOR 5VDC (DEFAULT)
NO JUMPER PROVIDES 5VDC
NOTE: SERIOUS DAMAGE COULD OCCUR IF THIS JUMPER IS INCORRECTLY SET. CHECK THE READ HEAD VOLTAGE REQUIREMENTS
W5 – JUMPER PLACED ON – PINS 5 & 6
W6 – JUMPER PLACED ON – PINS 2 & 3
W7 – JUMPER PLACED ON – PINS 1 & 2
W9 – JUMPER OFF – PINS 1 & 2 (DEFAULT)
JUMPER PLACED ON – PINS 1 & 2 (ENABLES FUNCTION)
JUMPER OFF – PINS 5 & 6
JUMPER OFF – PINS 7 & 8
NOTE: AFTER INSTALLATION IT IS RECOMMENDED TO DISABLE PINS 1&2. LEAVING THEM ENABLED COULD ALLOw UNAUTHORIZED ACCESS TO THE SSRC.

P3 CONTACT INPUTS

PIN 1 REX REQUEST TO EXIT
PIN 2 DOD DOOR POSITION SWITCH
PIN 3 GP1 PUSH BUTTON OVERRIDE
PIN 4 GP2 AUXILIARY INPUT
PIN 5 GND GROUND

DEVICE TYPE:
DOD (SUPERVISED)–MAX. DISTANCE 1,000 FT.
DOD (UNSUPERVISED)–MAX. DISTANCE 2,000 FT.
REC WIRE: 2 COND./22 AWG./TWSTD/SHLD/STRD

P5 & P6 RELAY OUTPUTS

PIN 1 NORMALLY OPEN
PIN 2 NORMALLY CLOSED
PIN 3 COMMON

RELAYS RATED AT 1A @ 30VDC

P2 – READ HEAD CONNECTIONS

PROXIMITY
MAX. DIST. TO READ HEAD: 500FT.
CABLE: 5 COND./18 AWG/TWSTD/STRD/SHLD
SCHLAGE/XCEED–ID READER OUTPUT – AVG–55mA DC PEAK–167mA DC
PIN 1 (CLK) DATA 0 (GREEN)
PIN 2 (DAT) DATA 1 (WHITE)
PIN 3 (GND) GROUND (BLACK)
PIN 4 (PWR) POWER (RED)
PIN 5 (GRN) LED (ORANGE)
PIN 6 (RED) NOT USED
PIN 7 (IBT) NOT USED

P2 – READ HEAD CONNECTIONS

MR–5 MAGSTRIPE
MAX. DIST. TO READ HEAD: 500FT.
CABLE: 6 COND./18 AWG/TWSTD/STRD/SHLD

PIN 1 (CLK) DATA 0 (WHITE)
PIN 2 (DAT) DATA 1 (GREEN)
PIN 3 (GND) GROUND (BLACK)
PIN 4 (PWR) POWER (RED)
PIN 5 (GRN) LED (ORANGE)
PIN 6 (RED) NOT USED
PIN 7 (IBT) NOT USED
DIP SWITCH SETTINGS:
S1=OFF S2=OFF S3=OFF S4=OFF

MR–10 MAGSTRIPE
MAX. DIST. TO READ HEAD: 500FT.
CABLE: 5 COND./18 AWG/TWSTD/STRD/SHLD

PIN 1 (CLK) DATA 0 (WHITE)
PIN 2 (DAT) DATA 1 (GREEN)
PIN 3 (GND) GROUND (BLACK)
PIN 4 (PWR) POWER (RED)
PIN 5 (GRN) LED (BROWN)
PIN 6 (RED) NOT USED
PIN 7 (IBT) NOT USED

DIP SWITCH SETTINGS:
S1=OFF S2=ON S3=ON S4=ON
NOTE: REMOVE THE TOP MOUNTING BRACKET TO ACCESS THE DIP SWITCHES.

MODEL NUMBER: SSRC – SCHLAGE SSRC NETWORK READER CONTROLLER
DOCUMENT FORM: SCHLAGE SSRC NETWORK READER CONTROLLER INSTALLATION GUIDE SSRCIG10–16–09 REV. 2

PRODUCT REFERENCE MATERIAL:
–FOR PROGRAMMING INSTRUCTIONS PLEASE REFER TO SCHLAGE SMS USER MANUAL SSMSHM10–16–09 REV. 2–5.3.5 SP1
–FOR HARDWARE INSTRUCTIONS PLEASE REFER TO SCHLAGE SMS INSTALLATION MANUAL SSMSHM10–16–09 REV. 2–5.3.5 SP1

DATE OF MANUFACTURE: MONTH_____YEAR_____
ASSEMBLY LOCATION: PARSIPPANY, NJ
ELECTRICAL RATING:
INPUT: 20–32VDC
OUTPUT: 5VDC – 12VDC
MAXIMUM CURRENT DRAW: 200mA MAX WITH A READER