PRECAUTIONS

- Read and understand all instructions before beginning installation.
- CAUTION: FOR USE WITH CLASS 2, LOW VOLTAGE SYSTEMS ONLY. DO NOT USE IN HIGH VOLTAGE APPLICATIONS. Low Voltage wiring is to be isolated from line voltage wiring.
- NOTICE: For installation by a licensed electrician in accordance with National and/or local Electrical Codes and the following instructions.
- Confirm device ratings are suitable for application prior to installation. Use of device in applications beyond its specified ratings or in applications other than its intended use may cause an unsafe condition and will void manufacturer's warranty.
- Use only approved materials and components (i.e. wire nuts, electrical box, etc.) as appropriate for installation.
- ALL EXCESS CABLE MUST BE REMOVED FROM WALL BOX PRIOR TO INSTALLATION. Connection between Cat5e/6 cable and switch connection port must remain straight and true without interference or pressure from excess or misaligned cable.
- NOTICE: Do not install if product appears to be damaged.

SAVE THESE INSTRUCTIONS!

DESCRIPTION

Hubbell Control Solutions LVSRJ45 switch stations provide manual control for low voltage devices that require a momentary signal to actuate. For ease of installation on the connection to the LVSRJ45 switch station there are two RJ45 ports located in the back of the wall station. The connections in the back of the station are intended for daisy chain applications where the functionality is to be identical.
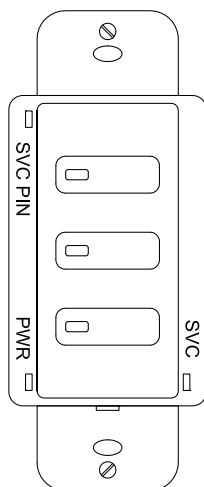
SPECIFICATIONS

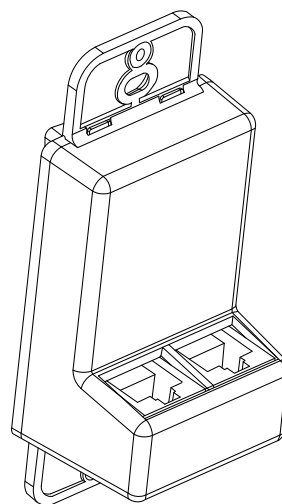|	
Electrical Ratings	Each switch: 100mA @ 30VDC Max Each pilot LED: 18-30VDC, internal 2.2kohm, ½ Watt resistor
Configurations	2 and 3 buttons, with pilot LED Momentary
Operating environment	Indoor use only Operating temperature: 32° to 122°F (0° to 50°C) Relative humidity (non-condensing): 10%-90%
Construction	Housing – Rugged, high-impact, injection-molded plastic 2 - RJ45 ports on rear
Dimensions	1.88"W x 4.25"H x 1.56"D (47.75mm x 107.95mm x 39.63mm)
Weight	3.0 oz [85.0 g]
Mounting	Single-gang NEMA-style switch box (average switch box) Decorator-style wall plate not included
Warranty	Five-year limited

Note:

*Pilot Light functionality is not supported with UVPPM power packs *Fig 5*
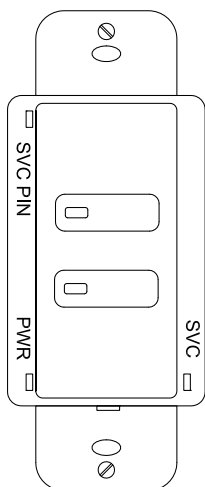
LVSRJ45-2 Switch Station (Front)

LVSRJ45-3 Switch Station (Front)

LVSRJ45-x Switch Station (Back)

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T568B Scheme	Number used to Define Pin-outs	Wire Colors	LVS Switch Functions
RJ45 Connector	1	Orange/White	Control Button 3
	2	Orange	Control Button 2
	3	Green/White	LED Button 2
	4	Blue	+24VDC Switch
	5	Blue/White	LED Button 3
	6	Green	LED Common
	7	Brown/White	Control Button 1
	8	Brown	LED Button 1

RJ45 to LVSRJ45 Switch Station Port
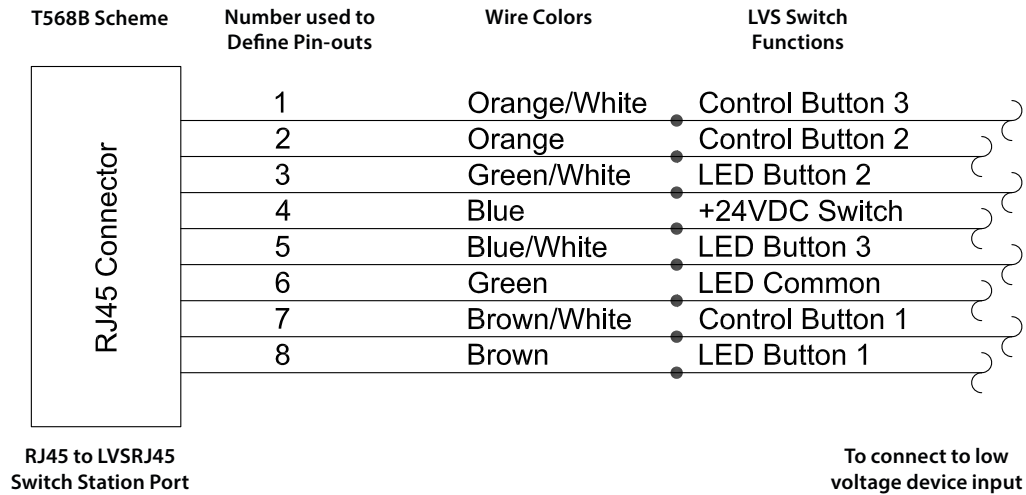
To connect to low voltage device input

Figure 1

INSTALLATION

Prepare the installation site as necessary, to install the switch.

Using the diagrams per device type, connect the appropriate Cat5e/6 wiring using the T568B color coded configuration. Perform a "tug test" to verify wire connections are secure.

RJ45 Connector

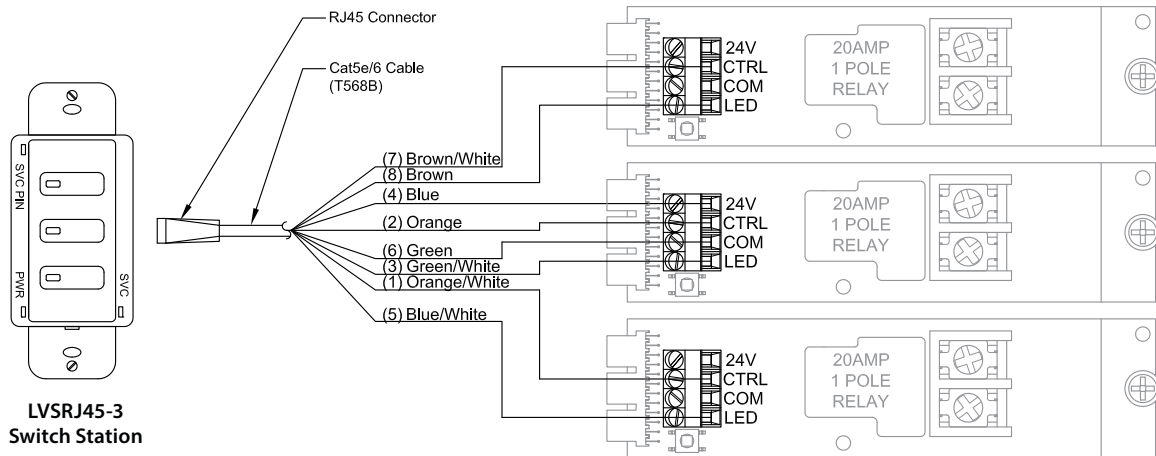Cat5e/6 Cable (T568B)

(7) Brown/White
(8) Brown
(4) Blue
(2) Orange
(6) Green
(3) Green/White
(1) Orange/White
(5) Blue/White

24V
CTRL
COM
LED

20AMP
1 POLE
RELAY

LVSRJ45-3 Switch Station

Figure 2 – Connections to CX or NX Relay Inputs

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PHx1PC

RJ45 Connector

Cat5e/6 Cable
(T568B)

(7) Brown/White
(2) Orange
(1) Orange/White
(4) Blue
(8) Brown
(3) Green/White
(5) Blue/White
(6) Green

**LVSRJ45-3
Switch Station**
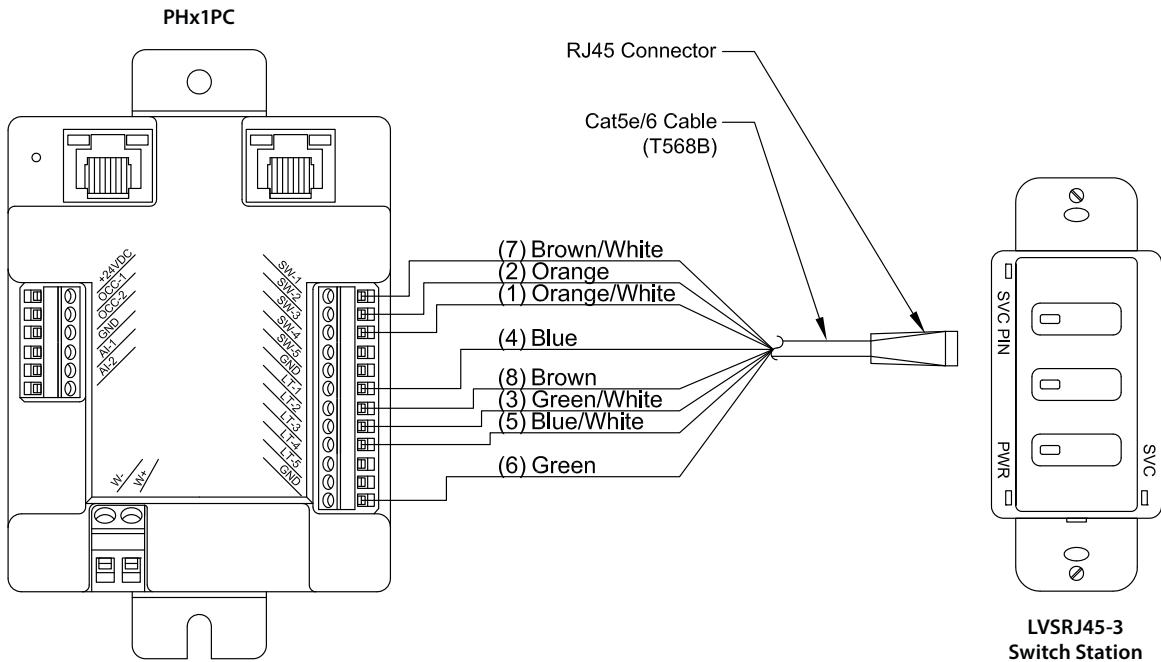
Figure 3 – Connections to PowerHUBB node Inputs

RJ45 Connector

Cat5e/6 Cable
(T568B)

(1) Orange/White
(5) Blue/White
(2) Orange
(3) Green/White
(4) Blue
(7) Brown/White
(6) Green
(8) Brown

**LVSRJ45-3
Switch Station**

IO PORT 1   IO PORT 2   IO PORT 3   IO PORT 4   IO PORT 5   IO PORT 6

+24V   PWR   IO PORT

NETWORKED
Lighting Controls

MODULE
CONN IN

DRY CONTACT RELAY

MODULE
CONN OUT

RELAY 1   RELAY 2   RELAY 3   RELAY 4   RELAY 5   RELAY 6
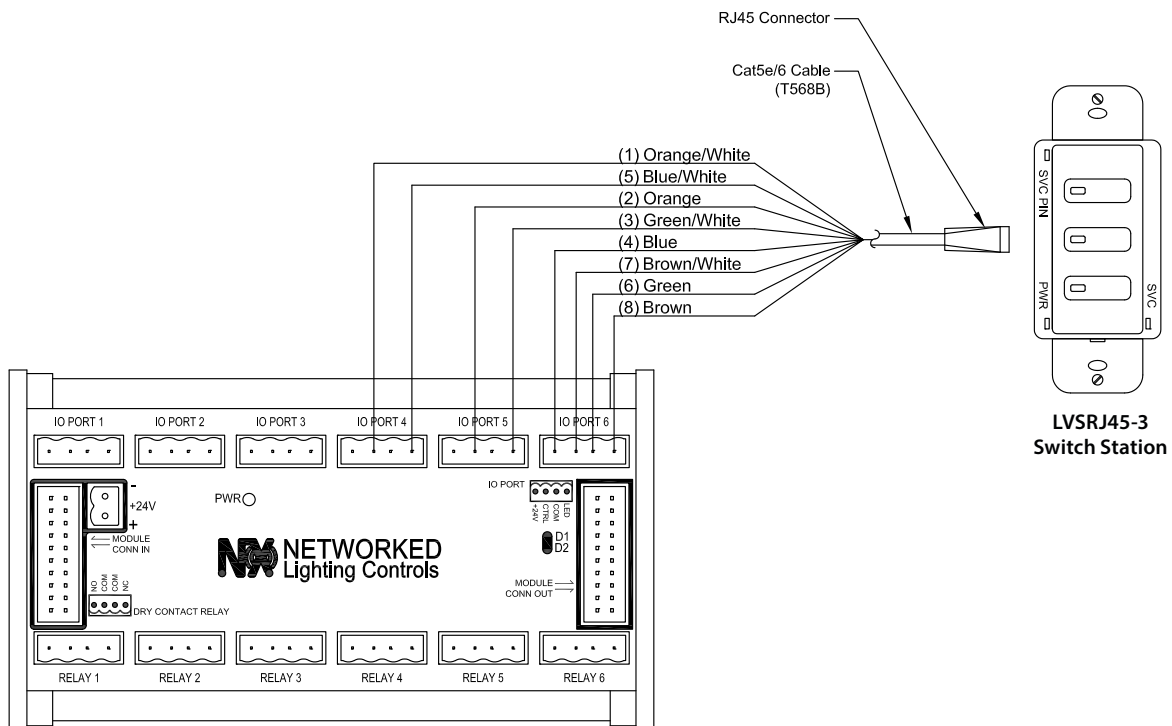
Figure 4 – Connections to NXDCIO Inputs

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See UVPPM
Instructions for Line
Voltage Connections

Red
Red
Black
White

UVPPM Power Pack

Red (+24VDC)
Black (common)
Blue (control)
Orange

See UVPPM
Instructions for
Sensor Connections

RJ45 Connector

Cat5e/6 Cable
(T568B)

See UVPPM
Instructions for Line
Voltage Connections

Red
Red
Black
White

UVPPM Power Pack

Red (+24VDC)
Black (common)
Blue (control)
Orange

See UVPPM
Instructions for
Sensor Connections

SVC PIN
PWR
SVC

(7) Brown/White 1
(2) Orange 2
(4) Blue   24+
(1) Orange/White 3
(6) Green
(8) Brown
(3) Green/White
(5) Blue/White

**LVSRJ45-2
Switch Station**

See UVPPM
Instructions for
Sensor Connections

Figure 5

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