

Applying Low Voltage Switches with C-Bus Control Networks

SLSLVS Series

ABOUT THIS DATA BULLETIN

This data bulletin provides typical application wiring information and diagrams for connecting SLSLVS Series Low Voltage Switches to Schneider Electric C-Bus™ Networks. Refer to the installation instructions supplied with your order for more detailed information.

SAFETY PRECAUTIONS

This section contains important safety precautions that must be followed before attempting to install or maintain electrical equipment. Carefully read and follow the safety precautions below.

⚠ DANGER

HAZARD OF ELECTRIC SHOCK, EXPLOSION, OR ARC FLASH

- Apply appropriate personal protective equipment (PPE) and follow safe electrical work practices. See NFPA 70E.
- This equipment must be installed and serviced by qualified electrical personnel.
- Turn off all electrical power supplying this equipment before working on or inside the equipment.
- Always use a properly rated voltage sensing device to confirm that power is off.
- Replace all devices, doors, and covers before turning on power to this equipment.

Failure to follow these instructions will result in death or serious injury.

WIRING DIAGRAMS

Figure 1: SLSLVS1 Wiring Diagram

KEY:

- A. Voltage out/Brown
- B. Voltage in/Red

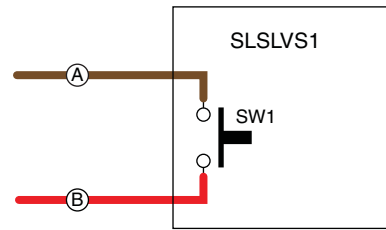


Figure 2: SLSLVS1L Wiring Diagram

KEY:

- A. Voltage out/Brown
- B. Voltage in/Red
- C. (+) Anode/Blue
- D. (-) Cathode/Black

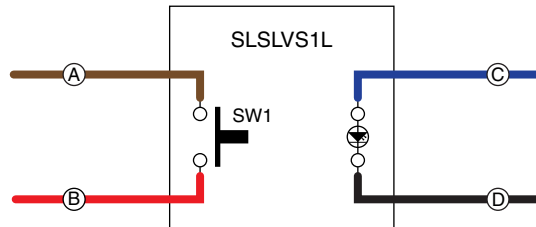


Figure 3: SLSLVS2 Wiring Diagram

KEY:

- A. Voltage out SW1/Brown
- B. Voltage in/Red
- C. Voltage out SW2/Brown-White

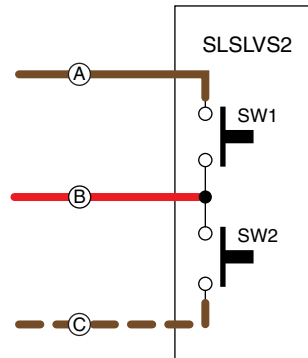
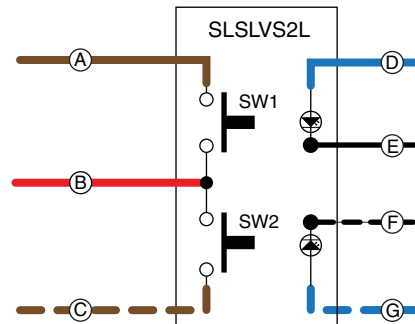


Figure 4: SLSLVS2L Wiring Diagram

KEY:

- A. Voltage out SW1/Brown
- B. Voltage in/Red
- C. Voltage out SW2/Brown-White
- D. (+) Anode LED1/Blue
- E. (-) Cathode LED1/Black
- F. (-) Cathode LED2/Black-White
- G. (+) Anode LED2/Blue-White



C-BUS CONTROL NETWORK APPLICATIONS

The SLSLVS Series Switches are intended for use with the C-Bus™ Network. The following diagrams provide typical schematic information for using switches in a C-Bus Control Network.

Figure 5: One SLSLVS1 connected to a C-Bus Network via One Bus Coupler

KEY:

- A. +5VDC Return to bus coupler
- B. +5VDC Out of bus coupler

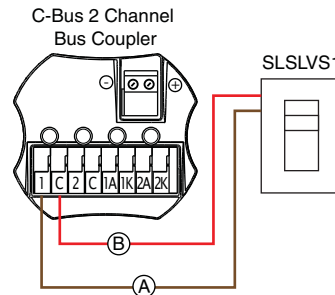


Figure 6: One SLSLVS1L Connected to a C-Bus Network via a Bus Coupler

KEY:

- A. +5VDC Return to bus coupler
- B. +5VDC Out of bus coupler
- C. +5VDC Input to LED (anode)
- D. -5VDC Input to LED (cathode)

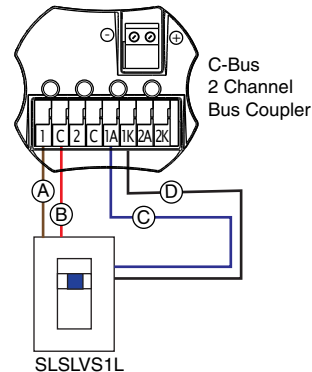


Figure 7: One SLSLVS2 Connected to a C-Bus Network Via a C-Bus Bus Coupler

KEY:

- A. +5VDC Channel 1 Return to bus coupler
- B. +5VDC Out of bus coupler
- C. +5VDC Channel 2 Return to bus coupler

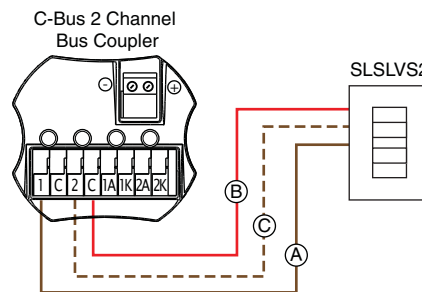
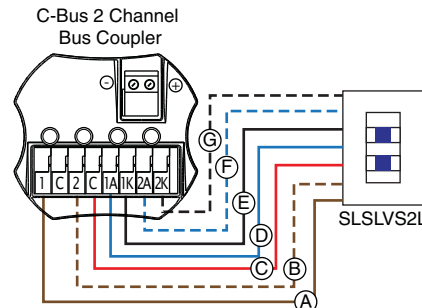


Figure 8: One SLSLVS2L Connected to a C-Bus Network Via a C-Bus Bus Coupler

KEY:

- A. +5VDC Channel 1 Return to bus coupler
- B. +5VDC Out of bus coupler
- C. +5VDC Channel 2 Return to bus coupler
- D. +5VDC Input to LED1 (anode)
- E. -5VDC Input to LED1 (cathode)
- F. +5VDC Input to LED2 (anode)
- G. -5VDC Input to LED2 (cathode)

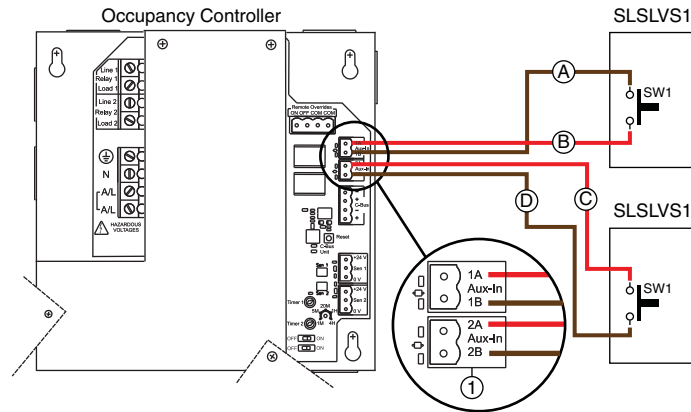


OCCUPANCY CONTROLLER APPLICATIONS

Figure 9: Two SLSLVS1 Connected to an Occupancy Controller

KEY:

- A. +2.5VDC Channel 1 Return to Occupancy Controller
- B. +2.5VDC Out of Channel 1
- C. +2.5VDC Out of Channel 2
- D. +2.5VDC Channel 2 Return to Occupancy Controller
- 1. Auxiliary Input Terminal

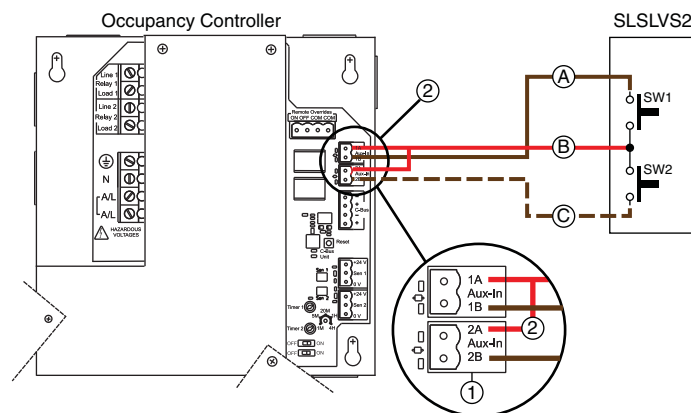


One SLSLVS2 with an Occupancy Controller

Figure 10: One SLSLVS2 Connected to an Occupancy Controller

KEY:

- A. +2.5VDC Channel 1 Return to Occupancy Controller
- B. +2.5VDC Out of Channel 1 and 2 bridged
- C. +2.5VDC Channel 2 Return to Occupancy Controller
- 1. Auxiliary Input Terminal
- 2. Jumper wire for bridging output of channel 1 and 2



SUPPORT AND SERVICE

Contact the Customer Information Center for technical support by phone at 1-888-778-2733 or e-mail at lightingcontrol.support@us.schneider-electric.com.

Contact your local Schneider Electric service representative for repairs or service to your network.

You may also find helpful information on our web site at www.Schneider-Electric.us.

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