Dataline Switch for LI Complete Control

Pushbutton control for single relays, groups of relays, and/or channels in Lighting Integrator panel systems

Screwless wallplate and removable lens caps for labeling

Pilot light LEDs for visual status feedback

1-, 2-, 4-, and 8-button configurations

Locator light bar for visibility when dark

Local dataline compatibility provides easy installation and operation

PROJECT

LOCATION/TYPE

Product Overview

Description

The Lighting Integrator (LI) Dataline Switch (HDLSxSS) is designed for use with LI Complete Control (LICA) and LI DMX (LIDA) panels and offers flexible and user-friendly lighting control of a single relay or a group of relays in one panel or a network of panels.

Operation

Dataline Switches install into standard wallboxes and connect to an LICA/LIDA panel via dual twisted pair digital bus wiring. Each switch unit contains one master button and up to eight individual switch buttons which can be individually programmed (smartwired) to control relays or groups of relays. Individual switch buttons are programmed directly from WinControl software on LICA systems or by lifting the switch covers to uncover the smartwiring buttons on LIDA systems. Pressing these buttons (see Switch Programming and Wiring) sends a unique digital code that identifies the buttons and switch to the panel. The buttons can then be assigned to a relay or a group of relays. The master button is programmed via DIP switches on the back of the switch with a choice of functions.

Control Capabilities

Dataline switches can be used with LICA and LIDA systems. In LICA systems, the buttons may also control system-wide group codes.

Applications

Multiple Dataline Switches connect together and to a panel via 4-conductor data communications wiring (also referred to as the local dataline). This reduces the wiring required by conventional switches, since up to 63 devices per panel can share the dataline. Dataline Switches are ideal for commercial office or other buildings where individual occupant lighting control needs are paramount. These switches are flexible enough to accommodate individual needs while facilitating efficient, area-wide automated lighting control. The "cleaning" scenario enables maintenance crews to control needed lighting without interfering with the needs of individuals working after hours.

Features

- Works with with LICA and LIDA systems
- Bi-color pilot light status LEDs indicates relay states for each button (red = All On, green = mixed state, no color = All Off)
- Locator light bar for finding switch in the dark
- Optional key lock version for public locations
- Optional cleaning control scenario

- Optional On Only setting to prevent inadvertently turning lights off
- Master button with programmable configurations (Restore/All Off; All Off, All On/ All Off, or Disabled)
- Available in white, ivory, almond, and gray
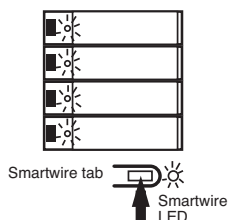- Qualifies for use in ARRA-funded projects

Specifications

- Standard wallbox mounting, non-gangable
- Removable switch button lens caps accommodate 3/8" (9mm) laminated tape
- Custom engraving available
- Environmental: Operating temperature range 32 to 139°F (0 to 60°C), 5-95% RH noncondensing

- Dimensions: 4.5" x 2.75" x 1.8" (69.8mm x 114.3mm x 46mm) HxWxD for 1-, 2-, and 4-button switch; 4.5" x 4.5" x 1.8" (114.3mm x 114.8mm x 46mm) HxWxD for 8-button switch
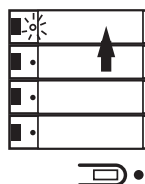- One year warranty

Switch Programming and Wiring
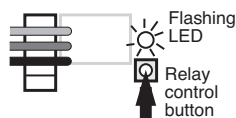
Smartwiring a Dataline Switch

1 Remove wallplate and Press Smartwire tab once. Smartwire LED flashes once. All switch button LEDs begin flashing.
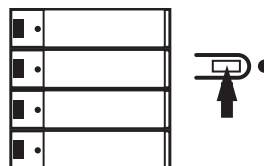
Smartwire tab

Smartwire LED

2 Press switch button to be programmed. Selected button LED continues to flash. Other LEDs stop flashing.

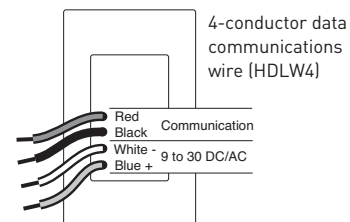**3** Press relay control button to add or delete from group.

Flashing LED

Relay control button

4 Press Smartwire tab again. All LEDs stop flashing. Smartwiring is completed. Repeat for other buttons as needed.

Dataline Switch Wiring

4-conductor data communications wire (HDLW4)

Red / Black — Communication
White - / Blue + — 9 to 30 DC/AC

Ordering Information

Catalog No.	Color	Description	Catalog No.	Color	Description	Size	Power Consumption
☐ HDLS1SS-7	White	Single Dataline Switch	☐ HDLS1SSK-7	White	Keyed Single Dataline Switch	Single-gang	45 mA
☐ HDLS1SS-2	Ivory		☐ HDLS1SSK-2	Ivory			
☐ HDLS1SS-4	Light Almond		☐ HDLS1SSK-4	Light Almond			
☐ HDLS1SS-9	Gray		☐ HDLS1SSK-9	Gray			
☐ HDLS2SS-7	White	Dual Dataline Switch (2 individual buttons + Master button)	☐ HDLS2SSK-7	White	Keyed Dual Dataline Switch (2 individual buttons + Master button)	Single-gang	50 mA
☐ HDLS2SS-2	Ivory		☐ HDLS2SSK-2	Ivory			
☐ HDLS2SS-4	Light Almond		☐ HDLS2SSK-4	Light Almond			
☐ HDLS2SS-9	Gray		☐ HDLS2SSK-9	Gray			
☐ HDLS4SS-7	White	Quad Dataline Switch (4 individual buttons + Master button)	☐ HDLS4SSK-7	White	Keyed Quad Dataline Switch (4 individual buttons + Master button)	Single-gang	55 mA
☐ HDLS4SS-2	Ivory		☐ HDLS4SSK-2	Ivory			
☐ HDLS4SS-4	Light Almond		☐ HDLS4SSK-4	Light Almond			
☐ HDLS4SS-9	Gray		☐ HDLS4SSK-9	Gray			
☐ HDLS8SS-7	White	Octal Dataline Switch (8 individual buttons + Master button)	☐ HDLS8SSK-7	White	Keyed Octal Dataline Switch (8 individual buttons + Master button)	Double-gang	75 mA
☐ HDLS8SS-2	Ivory		☐ HDLS8SSK-2	Ivory			
☐ HDLS8SS-4	Light Almond		☐ HDLS8SSK-4	Light Almond			
☐ HDLS8SS-9	Gray		☐ HDLS8SSK-9	Gray			