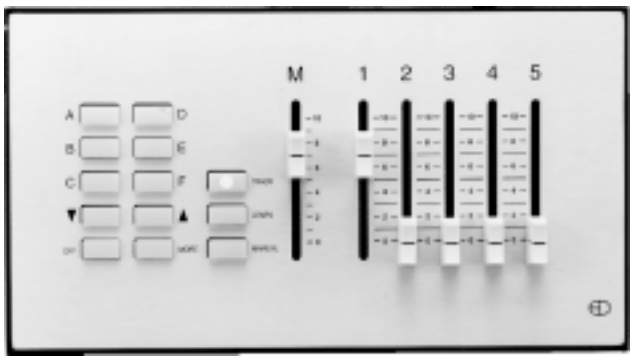
Twilite System Controls

Features

- Simple Contractor Wiring
- Programmable Presets from Sliders
- Up to 12 Presets per Station
- Rear Illuminated Button Controls
- Slider or Illuminated Switch Controls
- Centralized System Processor
- 3.5" Disk Drive for Library Storage
- Screwless Faceplate Design

Linear Controls with Presets



Description

The Linear Control with Presets group of Twilite System Controls offers a wide range of manual controls with presets which integrate into the Twilite System Controls network. All Twilite System Controls rely on the same simple local area network wiring configuration. All data is stored in a centralized processor which can be mounted for the convenience of the operators, not necessarily assigned at the dimmer bank.

The Linear Control with Presets offer high-speed, digital preset control with a capacity to 'learn' levels directly from the linear controls. Slider Station conditions with up to 18 individual sliders, or a combination of sliders, and rear illuminated switches for non-dim controls, can be 'learned' by the preset portion and loaded to any rear illuminated preset recall button. Up to 12 presets can be controlled by the station. Presets can be proportionally mastered by the Up or Down controls. The 'track' feature allows the operator to take an individual channel from the preset for manual control. The rear illuminated push buttons identify the status of any station at any time.

The network processor allows the linear controls to be configured from a system disk or by any Twilite Display Station. All assignments for the linear controls or the presets can be identified and edited through the Twilite Display Station. Off-line library storage through the 3.5" industry standard disk drive allows the assignments to be part of the system records, which, when resident, can be automatically recalled should any interrupt occur in the system.

Twilite System Linear Control with Presets are designed to be mounted in standard-gang masonry backboxes supplied with the station. An attractive dimensional frame separates the controls from the background. The control faceplates are mounted without visible fasteners. Face plates are available in brushed aluminum or optional anodized pewter, bronze or black finishes. Custom colors are available.

Ordering Information:

Twilite System Controls

Linear Controls with Presets (for FULL option, add F):

❒ LP/03CH/S	❒ (F)	❒ LP/09CH/S	❒ (F)	❒ LP/15CH/S	❒ (F)	**Faceplate Surface:**	**Custom:**
❒ LP/04CH/S	❒ (F)	❒ LP/10CH/S	❒ (F)	❒ LP/16CH/S	❒ (F)	❒ Brushed Aluminum	❒ Plate Color
❒ LP/05CH/S	❒ (F)	❒ LP/11CH/S	❒ (F)	❒ LP/17CH/S	❒ (F)	❒ Black Frame	❒ Frame Color
❒ LP/06CH/S	❒ (F)	❒ LP/12CH/S	❒ (F)	❒ LP/18CH/S	❒ (F)	**Optional Faces:**	
❒ LP/07CH/S	❒ (F)	❒ LP/13CH/S	❒ (F)			❒ Anodized Pewter	
❒ LP/08CH/S	❒ (F)	❒ LP/14CH/S	❒ (F)			❒ Anodized Bronze	
						❒ Anodized Black	

JOB NUMBER: APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

Electronics Diversified, Inc.

1675 N.W. Cornelius Pass Road ● Hillsboro, Oregon 97124 U.S.A.

Phone: (503) 645-5533 ● FAX: (503) 629-9877 ● Web Site: www.EDIOnline.com

Linear Controls with Presets — Twilite System Controls

Electrical Data

Control Voltage: Class II Multiplex (Low Voltage).
Control Cable: Alpha 1133 cable, tinned copper, PVC insulated, color coded twisted pairs, PVC jacket.
Note: Stations are connected via Daisy-Chain. Backbox must be grounded to system conduit.

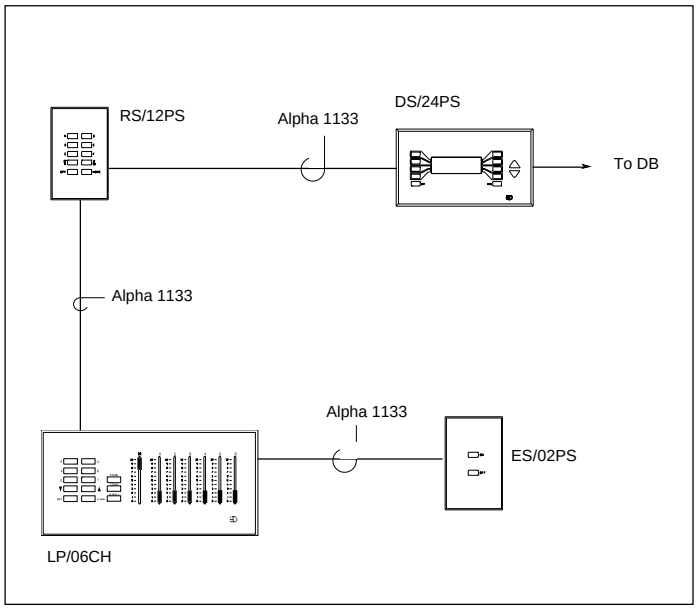
Physical Data

Backbox: Standard masonry deep backbox.
Connector: Keyed removable Termination Connector.
Switch: Rotary switch identifies station on network.
Station Frame: Frame holds faceplate in position without screws.
Staion Cover: *See Data Sheet A240.

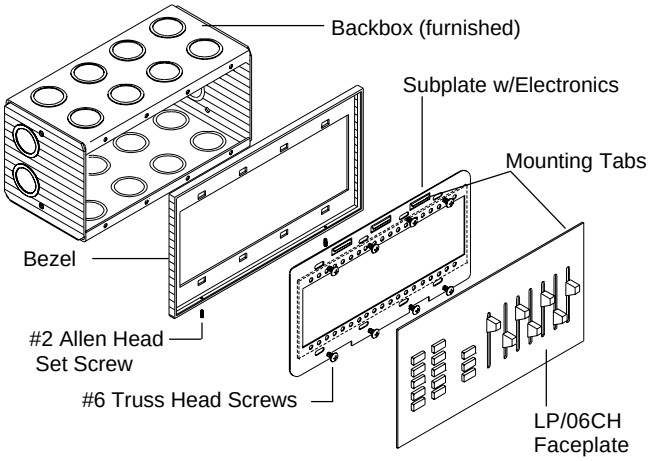
Dimensions

Twilite Control	Face-Plate	Wallbox Size		
		Width	Height	Raco #
LP 03CH	6.50"	5.59"	3.75"	697
LP 04-06CH	8.31"	7.41"	3.75"	698
LP 07-09CH	10.13"	9.22"	3.75"	699
LP 10-15CH	13.75"	12.84"	3.75"	966
LP 16-18CH	15.63"	14.66"	3.75"	967

Control System Riser Diagram



Mounting Details



1. Mount backbox.
2. Route wires from backbox through bezel and connect to electronics on subplate.
3. Align bezel and subplate and attach to backbox, using #6 truss-head screws (furnished).
4. Slip wallplate mounting tabs under corresponding subplate tabs.
5. Fasten wallplate to subplate with allen head set-screws located on bottom of bezel. Turn set-screws until resistance is felt.

   DO NOT OVER-TIGHTEN.

Specifications

1. A Linear Controls with Presets Station shall be a low cost, network compatible, manual station with preset controls. The station shall adhere to the criteria listed as a minimum for acceptance:
   A. Clear visual indication of system operating status from across the room.
   B. Direct tactual and visual feedback to any control request.
   C. Controls buttons which offer full electrical isolation from station electronics.
   D.Linear controls providing direct proportional output.
   E.Attractively framed flat panel styling to blend with interior decor.
2. The Linear Controls with Presets shall perform basic lighting control functions as defined by the system program. The minimum control features shall include, but not be limited to, the requirements listed below:
   A. Offer manual control of up to 18 independent control channels.
   B. Set and recall up to twelve presets based on levels established by the sliders.
   C. Proportional master control for either presets or slider controlled channels.
   D. Allow manual channel override of preset level through track feature.
   E. Access an optional Full condition.
3. The Linear Controls with Presets shall be subject to control conditions assigned by a system display station. All assignments shall be subject to review or editing from a display station at any time. The minimum conditions shall be:
   A. Remote lock restricts take control when an assigned preset is active.
   B. Restrict Station access to learn, edit and track features.
4. The Linear Controls with Presets shall be designed for easy installation. Constructed on .060" fiberglass material, drilled and reinforced, with two primary assemblies:
   A. An input circuit board designed for network input with status indicators
      a. Inputs shall be performed through electrically isolated rubber buttons
      b. Status indicators shall be long life LED's
      c. Linear potentiometers with a minimum of 45 mm travel
   B. A processor circuit board for direct network communication
      a. Network assignment through 16 position rotary encoder
      b. Keyed removable connector for control terminations
5. The Linear Controls shall fit in a standard gang deep masonry backbox supplied with the station. Faceplates shall secure without visible fasteners.
   A. Silkscreened graphics shall identify the control functions.
   B. Faceplates of .080" brushed aluminum shall be a standard. Custom anodized or painted faceplates shall be available on request.
   C. Cover options include clear Lexan© hinged or recessed wall box with locking cover.*

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Electronics Diversified, Inc.
1675 N.W. Cornelius Pass Road, Hillsboro, Oregon 97124 U.S.A. Phone Toll Free: 1-800-547-2690