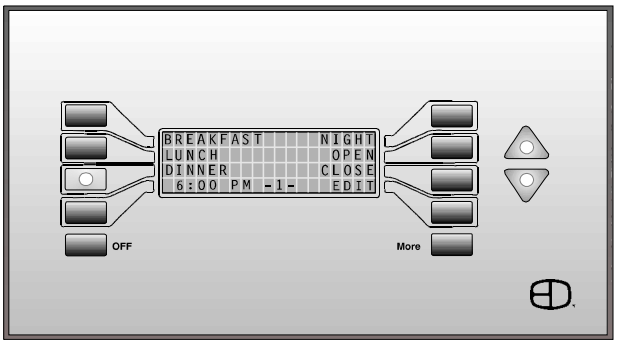
Twilite System Controls

Features

- Simple to Operate
- Remote Lock Feature
- Alphanumeric Display
- Illuminated Pushbuttons
- Simple Contractor Wiring
- Live or Blind Edit Features
- Proportional Grand Master
- Up to 24 Presets Available
- Standard Gang Backbox Design

Twilite Display Station



Description

The Display Station is designed to provide simple, user-programmable preset selections based on a liquid crystal display of alphanumeric names assigned to rear illuminated push-buttons.

The Display Station is based on a 4-line, 20-character, liquid crystal display screen. This menu-based display offers user-friendly controls designed for channels and preset selection as well as clock and timer controls. Alphanumeric designations for both room, channel, and preset names can be entered directly from the station. Individual channel levels can be edited in either a live or blind mode.

The Display Station is designed for easy operation with simple menu selections and illuminated button prompts. Internal menu selections allow easy access to real time and astronomical clock functions with up to 99 event selections. Controls may be set to weekly and holiday schedules. The station supports a user-assignable 'time out' feature, which insures display screens will restore to a previous condition if prompts are ignored.

The Display Station supports direct system commands with simple commands which include a 'Copy Active' and 'Signal Merge' control selection to increase the program compatibility with any site.

A DMX input can be copied, merged, or disconnected based on Display Station commands. The 'Remote Lock' feature allows a set-up preset condition where the local station has no access to the system when the preset is active. When the preset is changed, the remote station is restored with all recall assignments operational. This feature allows any presentation to occur without unexpected interruptions.

Off-line library storage through the 3.5" industry standard disk drive allows the assignments to be part of the system records, which can be automatically recalled should any interrupt occur in the system.

The Display Station is designed to be mounted in standard-gang masonry backboxes supplied with the station. An attractive dimensional frame separates the controls from the background. The faceplate is mounted without visible fasteners. Faceplates are available in brushed aluminum or optional anodized pewter, bronze or black finishes. Custom colors are available.

Ordering Information: Twilite System Control

Display Station:	**Faceplate:**	**Optional:**	**Custom:**
❒ DS/24PS	❒ Brushed Aluminum	❒ Anodized Pewter	❒ Plate Color
❒ Display Station (Portable)	❒ Black Frame	❒ Anodized Bronze	❒ Frame Color
		❒ 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

Display Station — Twilite System Controls

Electrical Data

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

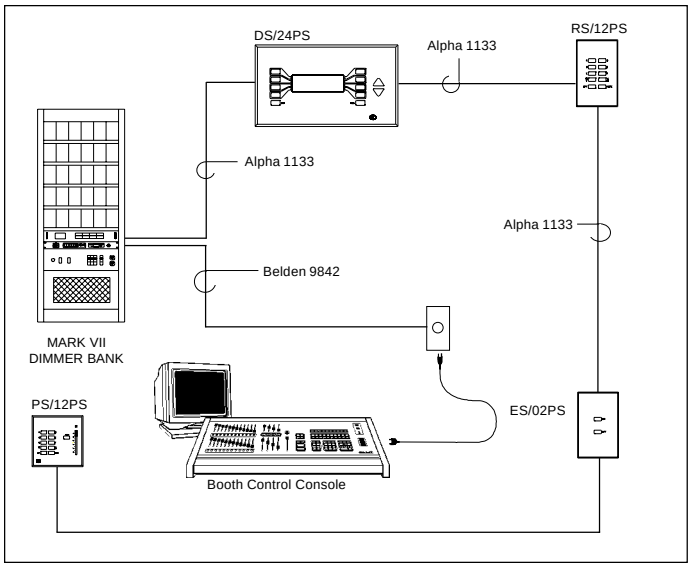
Physical Data

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

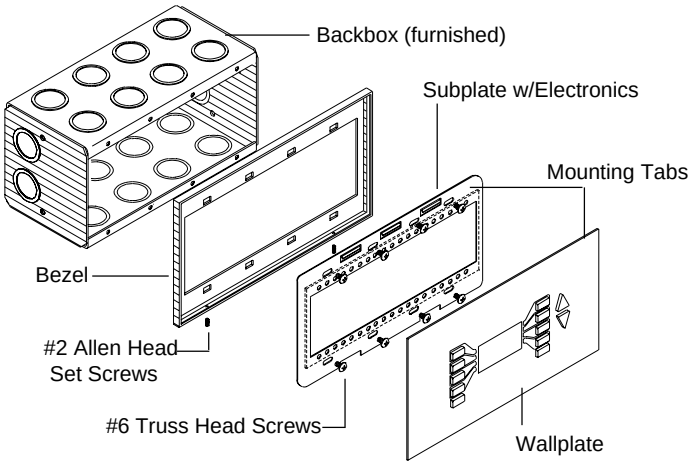
Dimensions

Twilite Control	Face-Plate	Wallbox Size		
		Width	Height	Raco #
DS/24PS	8.31"	7.41"	3.75"	698

Control System Riser Diagram



Mounting



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 Display Station shall be a low cost, network compatable, liquid crystal display station. The station shall adhere to the criteria listed below as a minimum for acceptance:
   A. Clear visual indication of the system operating status .
   B. Direct tactial and visual feedback to any control request.
   C. Controls buttons which offer full electrical isolation from the station electronics.
   D. Attractively framed flat panel styling to blend with interior decors.
2. The Display Station shall configure and control all lighting functions as defined by the system program. The minimum control features shall include, but not be limited to, the items below:
   A. 4-line by 20 character display with simple label capacity & illuminated controls
   B. Select up to twenty four presets with or without a fade time.
   C. Offer proportional “master control” of any preset.
   D. Define Select a condition with linked and timed features.
   E. Select a system OFF condition.
3. The Display Station shall select the programmable conditions assigned in the control module. All assignments shall be available for review or edit from a display station at any time. The minimum conditions shall consist of:
   A. Assign password protection to all control features.
   B. Configure memory, system, mode, dimmers, rooms, stations and presets.
   C. Set time and date, astro clock, timed event, remote lock and holiday features.
   D. Assign and edit, copy active, or, copy & paste, levels, presets, links and events.
   E. Label channels, rooms, presets, and system features.
   F. Access system disk for updates and records.
4. The Display Station shall be designed for easy installation. Constructed on .060" fibreglass material, drilled and reinforced, the station shall consist of two primary assemblies:
   A. An input board with display, designed for control input with feedback to include:
      a. Inputs shall be electrically isolated rubber buttons.
      b. Status indicators shall be long life LEDs.
   B. A processor board for direct network connection to include:
      a. Network assignment through 16-position rotary encoder.
      b. Keyed removable connector for control terminations.
      c. 1" x 3" back-lit LCD.
5. The Display Station shall fit in a four gang deep masonary backbox supplied with the station. Faceplates shall be secured without visable fasteners.
   A. Silkscreened graphics shall identify the button functions.
   B. Faceplates of .080" brushed aluminum shall be standard. Custom anodized or painted Faceplates shall be available on request.
   C. Optional covers include clear Lexan© hinged or recessed wall box with locking cover.*

A412 0797

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