



# Twilite System Controls

## Features

- Simple to Operate
- Proportional Controls
- Visual Indicator
- 12 Presets
- 40-foot Control Range Maximum
- Direct Network Connection

## Description

Twilite Systems Controls can be outfitted with a hand-held IR Remote. The IR Remote is packaged in a slim line case for ease in placement and operation.

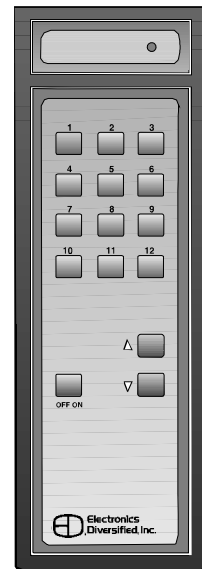
The receiver terminates directly to the Twilite System Control network and can be programmed by any Twilite LCD station.

Designed for remote control operation, the IR Remote is battery powered with a red LED which offers a simple confirmation of the IR transmission.

The IR Remote is available in twelve presets. Both versions are equipped with a master for overall proportional preset control.

The IR Remote is 7"L x 2<sup>3</sup>/<sub>8</sub>"W x 7<sup>7</sup>/<sub>8</sub>"D (17.8cm x 6.0cm x 2.2cm).

## IR Remote Control

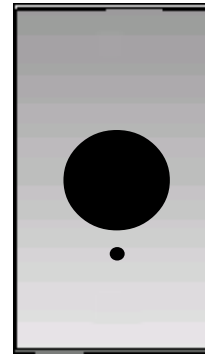


## IR Receiver Units

The IR Receivers are mounted on a single-gang face plate for easy installation in any environment. The single LED mounted on the IR Receiver faceplates confirms receipt of the signal generated by the IR Remote. The receivers come available in standard and wide-angle design. Standard faceplate color is off-white.



Standard Wallplate Receiver Unit (IR/01RC)



Wide-Angle Wallplate R (IR/01RC)

### Ordering Information:

#### Twilite System Controls

##### IR Remote:

- IR/TM12 (12-Preset)
- Custom Legend

##### IR Receiver:

- IR/01RC (1-Gang)
- IR/WARC (1-Gang)
- Custom Mounting \_\_\_\_\_

##### Faceplate Surface:

- Standard Finish
- Custom Paint

JOB NUMBER:

APPROVAL STAMP

JOB NAME:

CUSTOMER:

P. O. #

## Electronics Diversified, Inc.

PRODUCT DATA SHEET

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# IR Remote Control

# 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

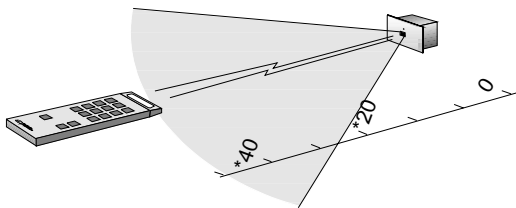
Note: Stations are connected via Daisy-Chain.  
Backbox must be grounded to system conduit.

## Operating Range

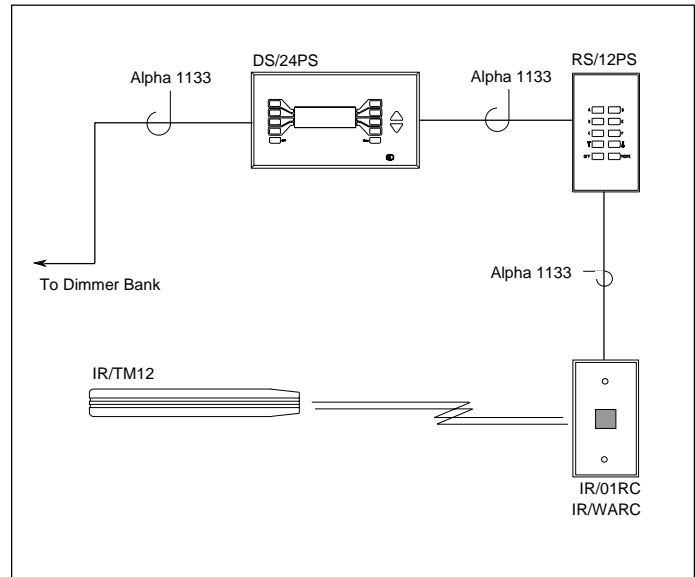
Averaged Performance:

\*(Distance measured in feet)

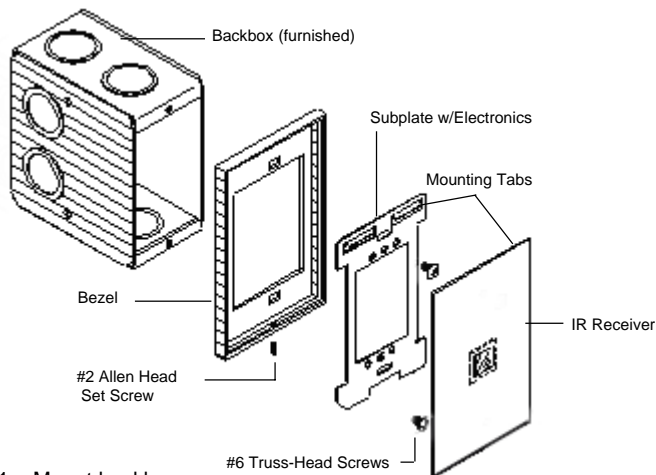
IR/01RC - 30° Radius  
IR/WARC - 180° Radius



## Control Riser Diagram



## Mounting Details



1. Mount backbox.
2. Route wires from backbox through bezel and connect to electronics on subplate.
3. Slip wallplate mounting tabs under corresponding subplate tabs.
4. Align bezel and subplate and attach to backbox, using #6 truss-head screws (furnished). When installing the wide angle IR, place protective dome between subplate and wallplate.
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

### TSC IR Transmitter

1. An IR Transmitter shall be a low cost, network compatible, slim line designed, hand held transmitter for remote control of system presets. 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 tactile and visual feedback to any control request.
  - C. Control buttons which offer full electrical isolation from the electronics.
  - D. Slim line, hand held, battery powered transmitter.
2. The IR Transmitter 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. Select up to twelve presets with or without a fade time.
  - B. Offer proportional "master control" of any preset.
  - C. Select a condition with linked and timed features.
  - D. Select a system OFF condition.

### TSC IR Receiver Station

1. The IR Receiver Station shall be subject to control conditions assigned by a system display station. All assignments shall be available for review or edit from a display station at any time. The minimum conditions shall consist of:
  - A. Remote lock feature which restricts take control when assigned preset is active.
  - B. Station lock feature which restricts all station activity.
  - C. Event control through link and time features.
2. The IR Receiver Station shall be designed for easy installation. Constructed on .060" fiberglass material, drilled and reinforced, the station shall consist of two primary assemblies:
  - A. An input board designed for network input with feedback to include:
    - a. Inputs filtered through a bezeled lens
    - b. Status indicator to acknowledge signal shall be long life LED.
  - 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.
3. The IR Receiver Station shall fit in a single gang deep masonry backbox supplied with the station. The faceplate shall secure directly to the backbox. Optional cover shall be without visible fasteners. Faceplates of .080" brushed aluminum shall be standard. Custom anodized or painted faceplates shall be available on request.

Specifications subject to change without notice. Specification applicable to standard products only.

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