

TCL LED SERIES

Installation Instructions



Call the number on the inside of the Cabinet Back to Order mounting made specifically for your sign.

Wall Mount Standard Install Instructions



Note: Do not overtighten fasteners or distort back panel.

Note: Clear any metal chips from inside sign cabinet, failure to do so may void warranty.

Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

See other side for dimensions of the back mounting panel.

To mount the sign to a wall surface using the included Lift'n Shift wall mount.

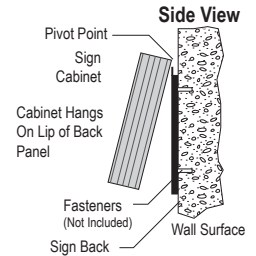
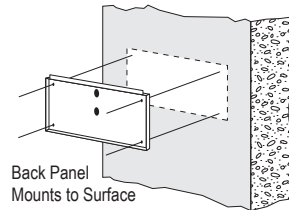
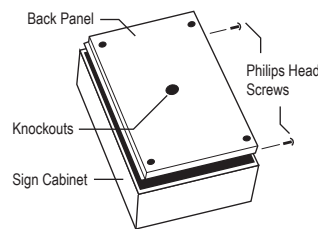
Step 1. Place sign cabinet face down on a scratch free surface to protect the face. Locate and remove the Philips head screws on the bottom of the sign and gently pry the hinged back panel.

Step 2. To mount the sign to a wall surface remove the four mounting knockouts and the large power knockout on the back panel. Be aware of any metal chips and remove them. **Failure to do so may cause a short and void the warranty.**

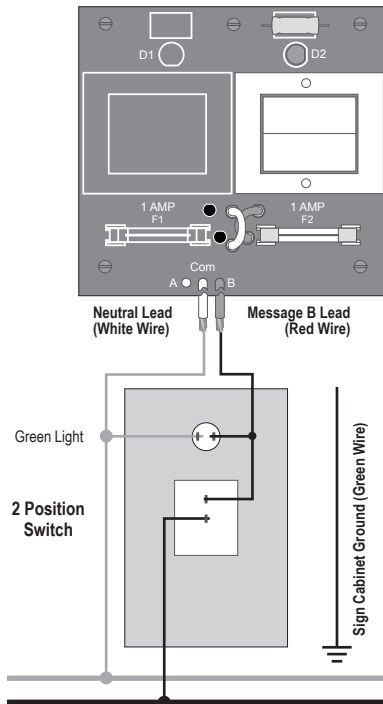
Step 3. Level the back panel and mount to wall surface using appropriate fasteners (not included).

Step 4. Route electrical wiring through knockout following local code. **Attention!** If electrical is routed any other way into sign cabinet, ie. through a hole drilled into frame, the integrity of the cabinet must be maintained. **Failure to do so may cause a short and void the warranty.**

Step 5. To make electrical connections, place sign cabinet top edge on the lip of the back panel on the wall and allow the sign to hang in place. Follow the wiring diagram for your specific sign series.



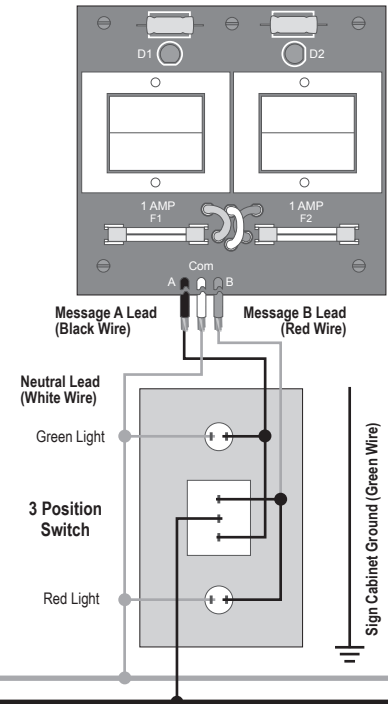
TCL Single Message Wiring Diagram



To Wire Single Message

- Connect Red Message B wire to top switch pole.
- Connect White Neutral wire opposite switch pole & to supply circuit.
- Connect Green Ground wire

TCL Dual Message Wiring Diagram



To Wire Dual Message

- Connect Red Message B wire to top switch pole.
- Connect Black Message A wire to bottom switch pole.
- Connect White Neutral wire to opposite switch pole & supply circuit.
- Connect Green Ground wire.



Note: Make appropriate wiring connections per local code.

Note: Any holes drilled into sign cabinet MUST be sealed. Failure to do so may cause a short and void warranty.

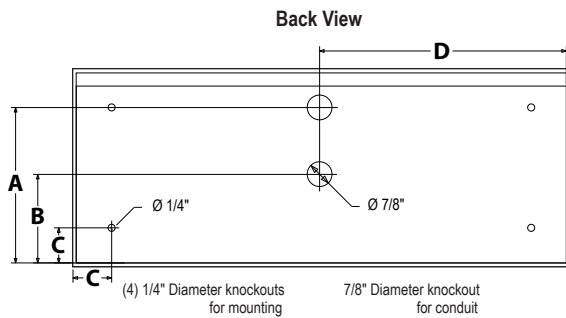
Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and/or other applicable local codes. This includes proper grounding and bonding of the sign.

120VAC ONLY

Neutral from Source

Load from Source

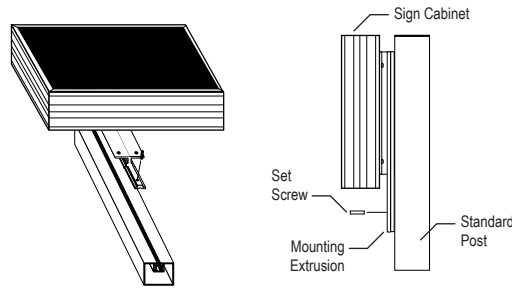
Wall Mount Back Dimensions



Cabinet High x Wide	Dimension A Mounting Hole (Vert)	Dimension B Center Knock-out (Vert)	Dimension C Mounting Hole (Horz)	Dimension D Center Knock-out (Horz)
7 x 7	5½"	3⅞"	1¼"	3⅞"
7 x 18	5½"	3⅞"	1¼"	8⅞"
7 x 26	5½"	3⅞"	1¼"	12⅞"
7 x 34	5½"	3⅞"	1¼"	16⅞"
7 x 42	5½"	3⅞"	1¼"	20⅞"
10 x 26	10½"	4⅞"	1¼"	12⅞"
12 x 12	12½"	5⅞"	1¼"	5⅞"
14 x 18	14½"	6⅞"	1¼"	8⅞"
14 x 26	14½"	6⅞"	1¼"	12⅞"
14 x 34	14½"	6⅞"	1¼"	16⅞"
14 x 42	14½"	6⅞"	1¼"	20⅞"
18 x 18	18½"	8⅞"	1¼"	8⅞"

Center/Double Post Mount Install Instructions

- Lay post(s) on ground, slide cabinet with mounting extrusion attached into the post slot.
- Align the cabinet flush with top of the post(s).
- Tighten the set screw in the mounting extrusions and fasten the post cap on the post(s).
- Level the sign both horizontally and vertically.

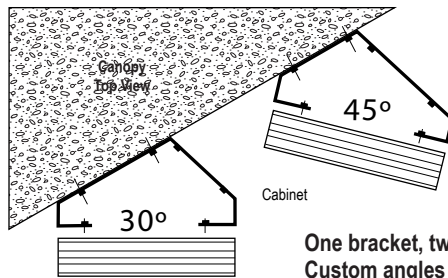


Note: Do not over-tighten fasteners or distort back panel.

Note: Make appropriate wiring connections per local codes.

Dual Angle Mount Install Instructions

- Remove the back panel.
- Mount the angle bracket to the desired surface (*Fasteners Not Supplied*).
- Mount the back panel to the angle bracket (*Fasteners Not Supplied*).
- Hinge cabinet back and replace the screws that were removed in step one on the reverse side.



Note: Do not over-tighten fasteners or distort back panel.

Note: Clear all metal chips from inside sign cabinet, failure may void warranty.

Note: Make appropriate wiring connections per local codes.

Ceiling Mount Install Instructions

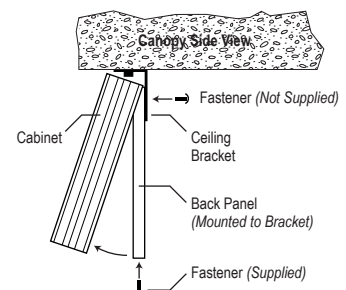
- Remove the back panel.
- Mount the ceiling bracket to the desired surface (*Fasteners Not Supplied*).
- Mount the back panel to the angle bracket (*Fasteners Not Supplied*).
- Hinge cabinet back and replace the screws that were removed in step one on the reverse side.



Note: Do not over-tighten fasteners or distort back panel.

Note: Clear all metal chips from inside sign cabinet, failure may void warranty.

Note: Make appropriate wiring connections per local codes.



Recessed Frame Mount Install Instructions

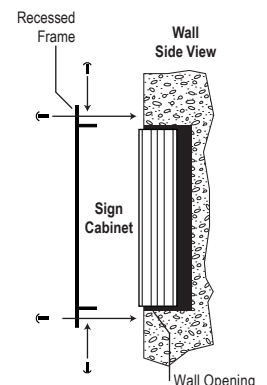
- Fasten the recessed mounting bracket flush with the front of the LED traffic controller cabinet.
- Slide assembled unit into the recess opening.
- Fasten the mounting bracket to the face of the opening with four fasteners (*Fasteners Not Supplied*).



Note: Clear all metal chips from inside sign cabinet, failure may void warranty.

Note: Make appropriate wiring connections per local codes.

Cabinet Model Size	Wall Opening Dimensions	Bracket Outer Dimensions
TCL/L V/H	7½" x 14½"	10¾" x 17¾"
TCL 718	7½" x 18½"	10" x 21"
TCL 726	7½" x 26½"	10" x 29"
TCL 734	7½" x 34½"	10" x 37"
TCL 742	7½" x 42½"	10" x 45"
TCL 1418	14½" x 18½"	17" x 21"
TCL 1426	14½" x 26½"	17" x 29"
TCL 1434	14½" x 34½"	17" x 37"
TCL 1442	14½" x 42½"	17" x 45"
TCL 2118	21½" x 18½"	24" x 21"
TCL 2126	21½" x 26½"	24" x 29"
TCL 2134	21½" x 34½"	24" x 37"
TCL 2818	28½" x 18½"	31" x 21"
TCL 77	7½" x 7½"	10" x 10"
TCL 1026	10½" x 26½"	13" x 29"
TCL 1212	12½" x 12½"	15" x 15"
TCL 1818	18½" x 18½"	21" x 21"



Switch Wiring Examples

- Ⓐ (1) Single Pole / Double Throw Switch
- Ⓑ (1) Single Pole / Single Throw Switches



Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and / or other applicable local codes. This includes proper grounding and bonding of the sign.



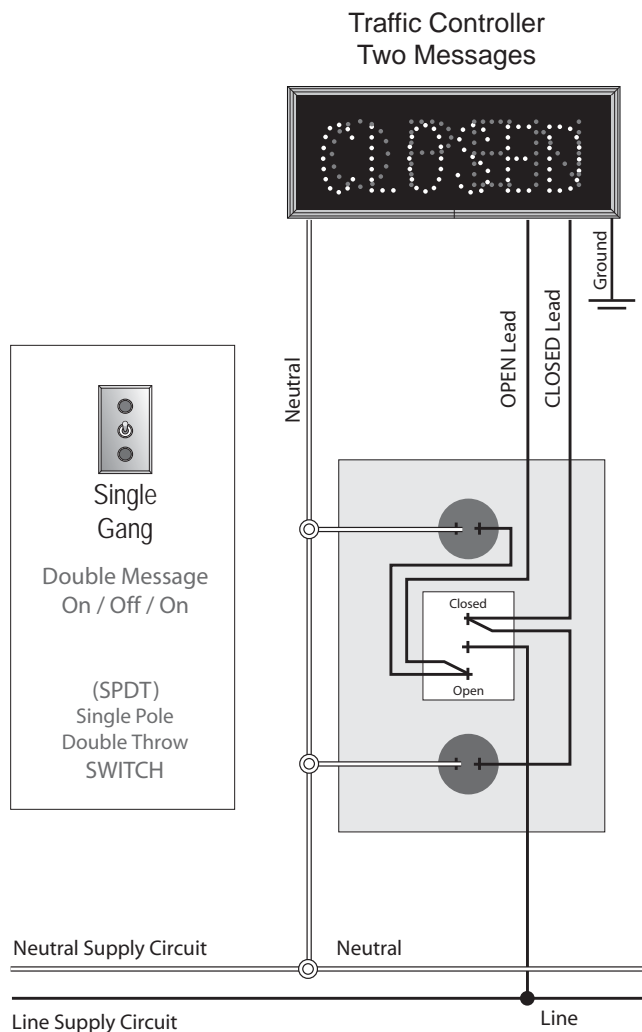
For Supply Connections
Use Wire Rated For
At Least 110° C

SIGNAL TECHNOLOGIES INC.
4985 Pittsburgh Ave
Erie, PA 16509-6206
Phone: 877 / 547-9900
Fax: 814 / 835-2300
Email: sales@signal-tech.com
Online: www.signal-tech.com

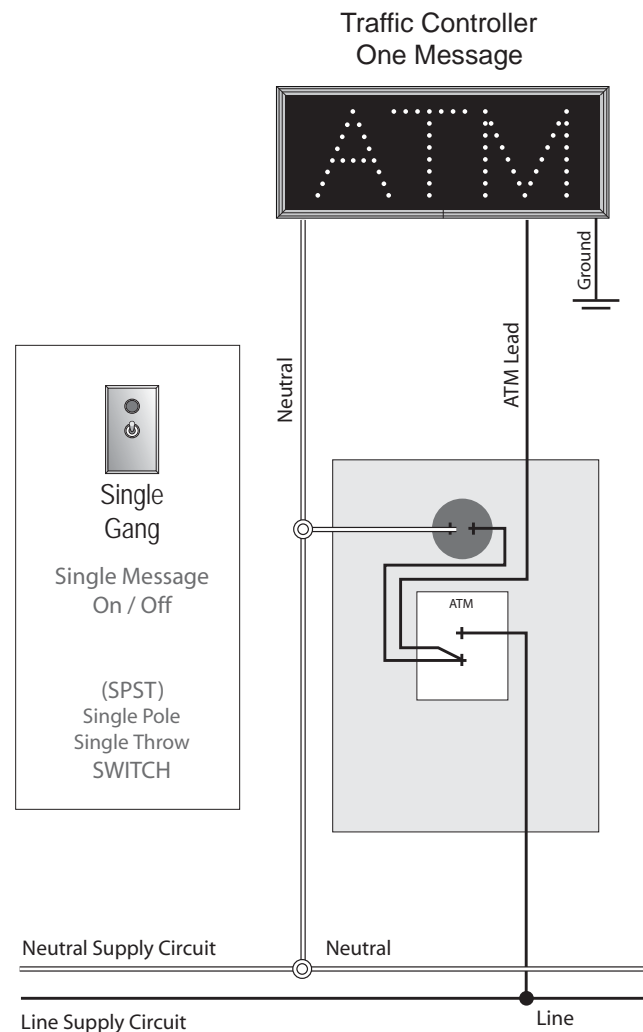


Schematic Views

Ⓐ Traffic Controller with Two Messages



Ⓑ Traffic Controller with One Message



(A) (1) Double Pole / Double Throw Switch

(B) (2) *Double Pole / Double Throw Switches*

Schematic Views



Note: This sign is intended to be installed in accordance with the requirements of Article 600 of the National Electric Code and / or other applicable local codes. This includes proper grounding and bonding of the sign.



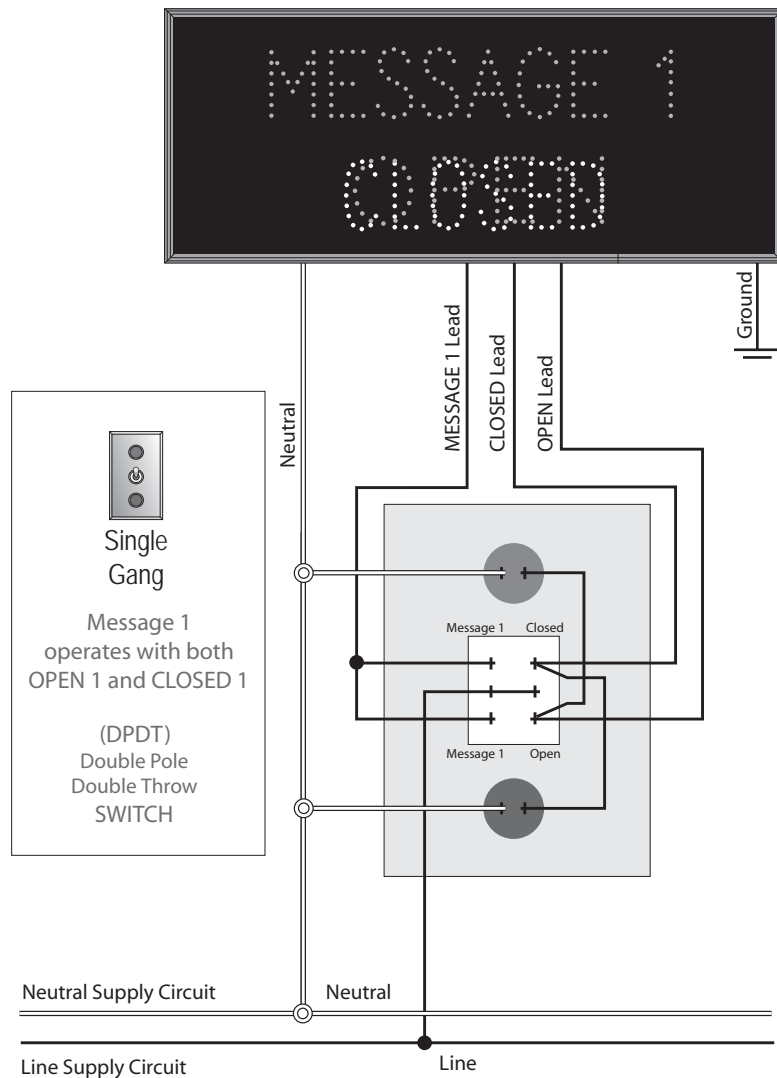
For Supply Connections
Use Wire Rated For
At Least 110° C

Online: www.signal-tech.com



Proudly Made In The USA

(A) Traffic Controller with Two Messages



(B) Traffic Controller with Four Messages

