

Installation/Operating Instructions Targa Electric Projection Screen by Draper

⚠ Caution

- 1 Read instructions through completely before proceeding.
 - 2 Follow instructions carefully. Installation contrary to instructions invalidates warranty.
 - 3 Screen should be accessible for complete removal should fabric become damaged or should other service be required.
 - 4 Screen should be installed level (using a carpenter's level).
 - 5 Nothing should be fastened to screen dowel or viewing surface.
 - 6 Operating switch(es) packed separately in screen carton. Do not discard with packing material.
 - 7 Screen operates on 110-120V, 60 Hz., 1.1 amp current draw.
- NOTE:** Screen has been thoroughly inspected and tested at factory and found to be operating properly prior to shipment.

These instructions are meant as a guide only. They do not imply any responsibility on the part of Draper, Inc. for improper installation or faulty workmanship at the jobsite.

Hanging Screen

General:

When locating viewing surface and checking clearance for screen's operation, remember surface is centered in case. Handle case carefully to protect its finish. Regardless of mounting method, screen should be positively and securely supported so that vibration or even abusive pulling on the viewing surface will not cause case to work loose or fall. Installer must insure that fasteners used are of adequate strength and suitable for the mounting surface chosen.

Suspended Installation:

Suspend screens from holes in endcaps as shown. "S" hooks, chains (or cable) and turnbuckles should be provided by installer. "S" hooks should go through the front holes on the endcaps (see drawing on page 2), and both ends of the "S" hooks should be crimped for additional safety. Chains should be attached to beams or other structural members. Turnbuckles should be adjusted so screen hangs level.

Wall Installation:

Mount screen through holes in back of endcaps as shown. Installer should furnish screws, toggle bolts, molly bolts, nylon or lead anchors as required.

Wall Installation with 6" Extension Brackets:

Mount the brackets (not included with screen—see diagram below right) using hardware recommended for "Wall Installation" (above). Then, suspend the screen from the front holes with "S" hooks (as in "Suspended"). For added safety, crimp both ends of the "S" hooks so the screen cannot come off. For a more rigid installation, mount the screen from the back holes to the front of the bracket by using the screws and nuts provided with the brackets.

Recessed Installation:

Recess should permit access for removal of screen if necessary. Screen may be mounted as in suspended or wall installation. Optional Ceiling Opening Trim Kit available; see diagrams below and on page 2, and separate instruction sheet (included with Ceiling Opening Trim Kit).

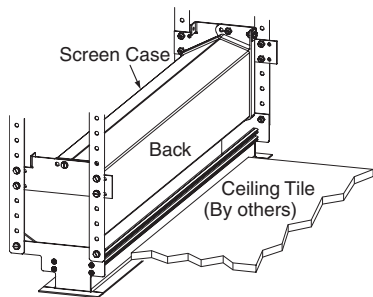
Electrical Connections

Screen operates on 110-120V, 60 Hz., 1.1 amp current draw.

Junction box is located inside left endcap and cover plate is secured to endcap with two screws. Junction box contains red, black and white pigtail leads and green internal ground wire, per wiring diagram on reverse.

Screen is shipped with internal wiring complete and control switch(es) fully boxed. Wire connecting screen to switch(es) and switch(es) to power supply should be furnished by installer. Connections should be made in accordance with attached wiring diagram, and wiring should comply with National and local electrical codes.

All operating switches should be "off" before power is connected.



DRAPER

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Operation

Before operating screen remove tape securing fabric and dowel to roller. If viewing surface hangs out of case 8"-9", tape has probably been broken by rough handling in shipment, allowing surface to "unwrap" one turn about the roller. Manually wrap fabric back around the roller without turning the roller itself.

110-120V Single Station Control — 3-position up-off-down switch permits operation to be stopped at any point. Factory adjusted limit switches automatically stop screen when fully down or fully up.

110-120V Multiple Station Control—Switches are similar in appearance to 110-120V Single Station Control. Screen stops when switch is released and may be restarted in either direction. Factory adjusted limit switches stop screen automatically when fully up or fully down.

24V Control — Three-button up-stop-down switches stop at any point desired, operate in any sequence. Factory adjusted limit switches automatically stop screen when fully up or fully down.

Key Operated Switching — Two kinds of key-operated switches are optionally available with this unit. ① The key-operated power supply switch controls power to the screen and switches. When it is "off", the switches will not operate screen. Key may be removed from the switch in either "on" or "off" position. ② A three-position key switch permits the screen to be operated directly by key. In this case, the screen's operator must always have a key.

RS232/Ethernet—Serial communication and network communication optionally available with wall switches, RF or IR remote.

Limit Adjustments (Standard/Quiet Motors)

Tools needed: Flashlight, small flathead screwdriver/Allen wrench (4mm or 5/32").

Screen settings have been factory set as ordered and should not normally require further adjustment. However, if you find it necessary to adjust for more or less viewing area, proceed as follows.

⚠ CAUTION: Always be prepared to shut screen off manually when new adjustment is being tested. Screen may be severely damaged if viewing surface is allowed to run too far up or too far down. When running up, the dowel should never wrap over the roller. When run to the down limit, a minimum of 1¼ wraps of fabric must remain on the roller.

The motor limit screws are normally located on the audience left of screen roller.

"DOWN" LIMIT ADJUSTMENT

To Reduce Screen Drop

- ① Raise screen surface about 1' above desired setting and turn off.
- ② Turn the WHITE/DOWN limit screw clockwise (three screw turns = ½ roller revolution).
- ③ Test by running screen down and repeat steps 1 and 2 until desired position is reached.

To Increase Screen Drop

- ① Run screen to the down limit.
- ② With the down switch on, turn the WHITE/DOWN limit screw counterclockwise (three turns of screw equals ½ roller revolution) to increase drop.
- ③ Test by running screen up about 1' and back down to new down limit.
- ④ Repeat steps 2 and 3 until desired position is reached.

⚠ CAUTION: At least 1¼ wraps of fabric must remain on the roller when screen is at the down limit!

"UP" LIMIT ADJUSTMENT

Screen is Running Too Far Up

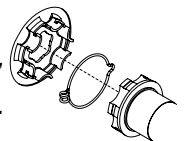
- ① Lower screen surface about 1' below desired setting and turn off.
- ② Turn the YELLOW/UP limit screw clockwise (three screw turns = ½ roller revolution).
- ③ Test by running screen up.
- ④ Repeat steps 1 through 3 until desired position is reached.

Screen Needs to Run Up More

- ① Run screen down about 1' and turn off.
- ② With the up switch on, turn the YELLOW/UP limit screw counterclockwise (three turns of screw equals ½ roller revolution).
- ③ Repeat steps 1 and 2 until desired position is reached.

⚠ CAUTION: Do NOT allow the dowel to wrap up over the roller when the screen is running up! This could damage the screen.

Caution: Do not remove the roller assembly from the case unless necessary for repairs. If the roller assembly is removed, be sure motor is fully re-seated in the bracket, and re-secure it carefully with the motor retaining spring (see diagram at right).



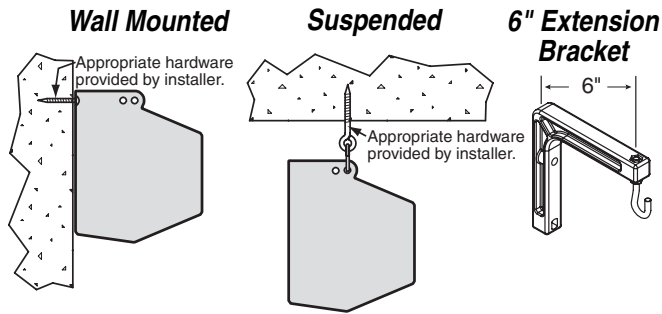
Limit Adjustments (Built-in Low Voltage Motors)

- ① Connect the ILT switch to the motor via the terminal blocks, or via the modular port using four conductor modular cable. When using modular cable, the cable connectors MUST NOT be crimped in reverse, as with standard telephone cable.
- ② Set the slide switch to the lower position. Press and hold the DOWN button on the switch to move the viewing surface to the desired lower limit. If the screen moves in the opposite direction, release the DOWN button and depress the STOP button. This will reverse the operation of the UP and DOWN switches.
- ③ Set the slide switch to the higher position. Move the viewing surface to the desired upper limit by pressing and holding the UP button on the wall switch.
- ④ Return the slide switch to the center position to return to normal operation.

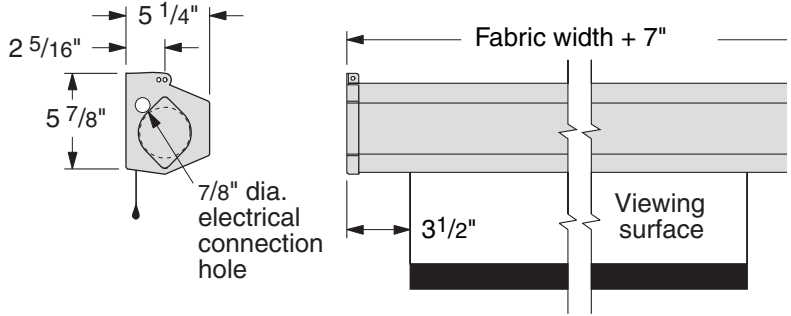
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If you encounter any difficulties installing or servicing your Targa screen, call your dealer or Draper Inc., Spiceland, Indiana, (765) 987-7999 or fax (765) 987-7142.

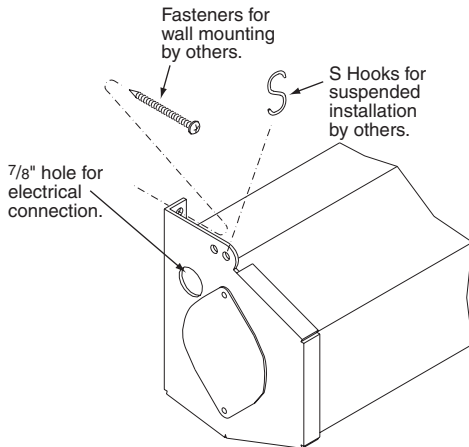
Types of Installation



Case Dimensions

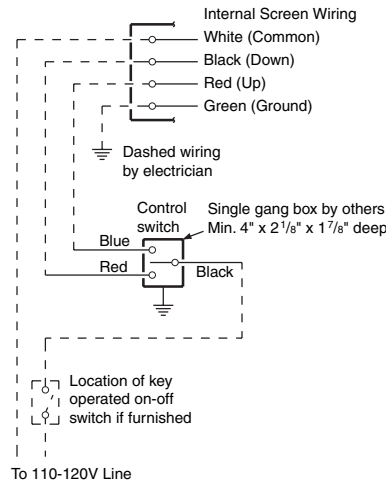


Methods of Installation

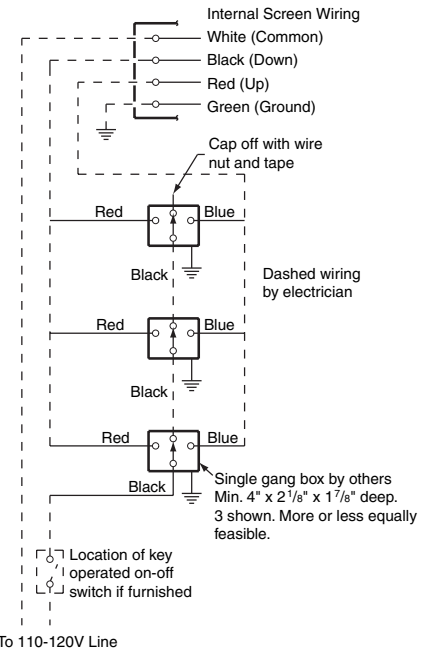


Wiring Diagrams—110-120V Motor and Quiet Motor

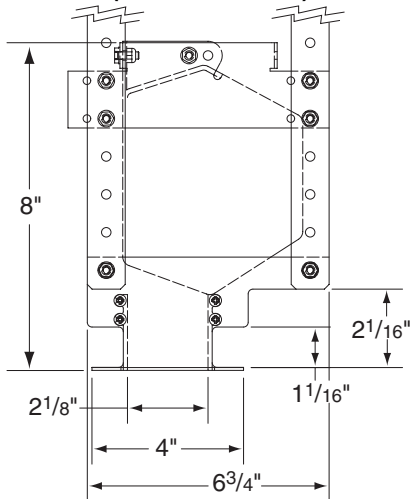
Single Station Control



Multiple Station Control

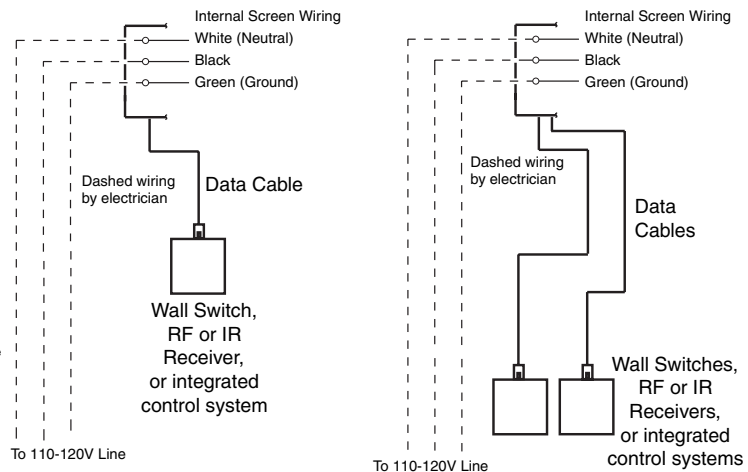


Optional Ceiling Opening Trim Kit (Dims-Side View)



Wiring Diagrams—110-120V Motor and Quiet Motor with Built-in Low Voltage Controller

Single Low Voltage Control Multiple Low Voltage Controls



ILT Limit Adjustment Continued from Page 1

5 To set the viewing surface to an alternate format position, move the viewing surface to the desired position and press the STOP button. Press and hold STOP for at least three seconds to record the position.

Please Note: Pressing and releasing the UP button on the switch will move the screen to its upper limit. Pressing and releasing the DOWN button will move the screen to its lower limit.

While the motor is in motion, pressing STOP for less than two seconds will stop the viewing surface at its present position.

Once the motor is stopped, pressing the STOP button will move the viewing surface to its alternate format position.

Pressing and holding the STOP button, when the motor is at rest or in motion, for at least three seconds will record a new alternate format position.

POSITION	FUNCTION
DOWN	Set LOWER limit
UP	Set UPPER limit
CENTER	Normal Operation

