

# STRONGVIEW MOTORIZED SCREENS

## INSTRUCTIONS

### READ INSTRUCTIONS BEFORE USE

- ▶ This unit should only be installed, operated and serviced by qualified technicians.
- ▶ Screens should never be operated over areas where people are present.
- ▶ Do not tilt screen assembly.

### INSPECTION AND PREPARATION

1. Before installing, inspect the screen and truss for any foreign objects, dirt or damage that may have occurred during transport.
2. Manipulate the screen very carefully to avoid any damage.
3. Use a minimum of 3 equally distributed attachment points to hang the steel truss and make sure the suspension system does not interfere with screen operation.
4. Verify that the screen is level once installed (on the 2 axis).

### ELECTRICAL HOOK-UP

**Strong | MDI** supplied a power cord with connector. An AC grounded extension cord is needed to plug motor drive and wireless control interface.

The connection to the AC power should be done by qualified personnel only to avoid injuries and/or damage to the unit.

### WARNING

#### **DISCONNECT POWER BEFORE MECHANICAL OR ELECTRICAL SERVICING.**

This screen may be remotely started at any time without warning.



1 877 755-3795  
[sales@strongmdi.com](mailto:sales@strongmdi.com)  
[www.strongmdi.com](http://www.strongmdi.com)

▶ **POWER**

100-125 VAC 60 Hz  
3,4 A

▶ **MOTOR**

0.5 HP (408 watts)  
AC tubular motor

▶ **TORQUE**

80 N.m (700 lb-in)  
at 14 RPM

▶ **CONTROL VOLTAGE**

12-20 volts VDC,  
100 mA

▶ **PRESET/SPEEDS**

2 preset positions,  
1 speed available

▶ **SYSTEM LIMITS**

35 output shaft rotations;  
54' of travel max.



### WIRELESS REMOTE

A handheld wireless remote for the AC masking motor is included with the screen. These motors can be triggered by the wireless remote and/or by connecting to an automation system.

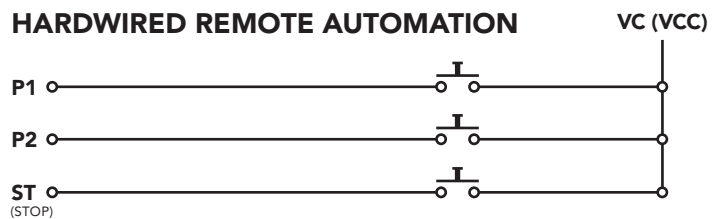
When using an automation system, we recommend using the wireless remote for set-up or to jog to a temporary position if required.



### HARDWIRED CONTROL CONNECTIONS

**NC:** No connection  
**NC:** No connection  
**VC:** VCC (common)  
**ST:** Stop  
**P1:** Stop #1 / Jog / Close  
**P2:** Stop #2 / Jog / Open

### HARDWIRED REMOTE AUTOMATION



**NOTE:** Double pole pushbuttons are not required. Momentary pushbutton action is required.



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## SETTING THE POSITIONS

Please note that the positions have been preset before shipping; the instructions below are provided in case adjustments are necessary.

### CHANGING A SET STOP POSITION

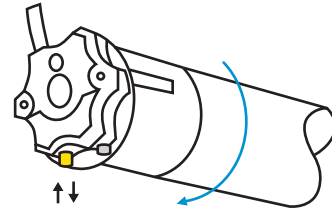
- ▶ Press the limit switch adjustment button that lies in the direction of rotation.

● **Yellow:** bottom limit\*

○ **White:** Top limit\*



\* When motor is placed on the right side of the screen when facing it. Reversed if motor is placed on left side.



STOP POSITIONS / MOTOR ON RIGHT

- ▶ Bring the screen into the desired stop position.
- ▶ Release the limit switch adjustment button by pressing it down again.
- ▶ Stop position is now set.

**NOTE:** Because of the built-in thermal protection feature, the motor may shut off automatically after running without interruption for an extended period of time. Please wait until the motor has cooled off and is ready for operation again (approximately 10-15 minutes).