



1-Pump 4-Station Controller
Reference Manual (PN:882.00245.00) for
Complete Operation and Installation Instructions
(Available online at www.sterico.com)

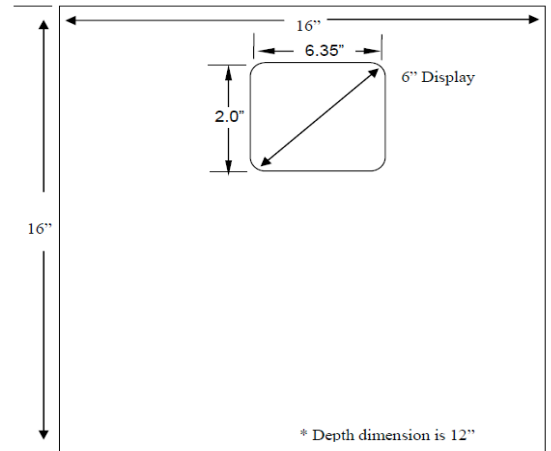
Safety Concerns



Quickstart Installation Checklist

(Refer to main manual for complete installation instructions).

1. Mount the panel on a flat, vertical area. It should be a visible area that gives your operator access to the control.
2. Refer to local electric codes, the schematic, connection diagrams, and the serial tag for wiring considerations
3. Hardwire the input power at 110/1/50-60 VAC or 230V/1/50-60 VAC, depending on the specifications, which are located on the serial tag.



Unit Operation (Refer to controller manual for complete operating instructions).

Start Up

1. Push the **ON/OFF** disconnect switch to the **ON** position.
2. The controller will display the screen for receiver 1 (**Hopper 1**). This screen allows the operator to adjust the convey time (**CONVEY**), dump delay (**DUMP**), purge time (**PURGE**), and the number of tries before the no convey alarm activates (**NO CONVEY**). To disable a station, set the convey time to **0** (zero). To disable purge, set purge to **0** (zero).

Caution! DO NOT set the DUMP delay or No Convey to 0 (zero).

3. To set the parameters for each receiver, use the left (◀) or right (▶) arrow keys to scroll through the settings for the next (▶) or previous (◀) receiver.
4. To access the pump screen, press the right arrow key (▶) when in the station 5 screen or press the left arrow key (◀) when in the blowback screen. This screen allows the operator to adjust the pump motor ramp up/ramp down time (**RAMP**) and the amount of time the pump runs unloaded before shutting off (**IDLE**).

Caution! DO NOT set the Idle Time or Ramp Time to 0 (zero).

5. Press the left (◀) or right (▶) keys to change settings in the Conveying, Pump Parameters, or Blowback screens. When the controller is in the menu screen of the feature you wish to configure, press the up (▲) and down (▼) keys to select the value you wish to change (the parameter will flash when selected). Press the Plus (+) key to increase the value or the Minus (-) key to decrease the value. Press the **OK** key to update and accept the new value entered. Press the **ESC** key to cancel the parameters you entered and return the values to the previous settings.

See Manual for further Set-Up instructions

6. To start: press the green **START** pushbutton in. The controller will display "CONVEY ON" in the status screen.
7. To stop: depress the green **START** pushbutton. The controller will display "CONVEY OFF" in the status screen.



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Troubleshooting - Quick Guide

Problem	Possible cause	Solution
The control panel doesn't light up	The control panel is not turned on	Turn on the control panel
	The external disconnect (recommended) in the dedicated circuit is open (off)	Close the switch (on)
	Fuse/circuit breaker in the power drop is blown/tripped	Replace/reset
	Control power switch is broken	Replace
A pump package doesn't run, even though it is on-line and its indicator is lit.	The motor overload has tripped	Reset the overload and check the motor for the proper amp draw on the tag
	Main fuse in power drop or optional fused disconnect has blown	Replace the fuse
	Motor contact is faulty	Repair or replace as required
A vacuum receiver is being by-passed in the loading cycle	The vacuum receiver is off-line	Use the controller to put the vacuum receiver on-line
	The convey time for the vacuum receiver is set to zero	Use the controller to enter a longer convey time
	The field-installed station bypass switch is simulating a Bin Full condition	Normal operation. Set the switch so the vacuum receiver is back in the loading sequence
	The field-installed station bypass switch is bad or mis-wired	Repair, replace, or re-wire
	The vacuum receiver was assigned to the wrong pump during setup	Repeat the setup procedure
Vacuum receivers are overfilling	Conveying times are too long (Time Fill Mode only)	Time the vacuum receiver (s) during loading, and set the conveying times to a few seconds less
	Maximum conveying times are too long, and the PLC does not recognize the Vacuum Receiver Full Proximity Switch(es)	Check proximity sensors for proper operation and proper wiring to the PLC. Repair as needed. Reset the conveying times to a reasonable value, and adjust as needed.



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Spare Parts List

COMMON PARTS		QUANTITY REQUIRED
A0569870	RELAY,SPDT,15A,24VDC	1
728.01034.00	SW,DISC,ABB,25A,600V,DOOR MTD,UL508,10HP,MAX	1
A0538007	FUSE,600V,CC,TD, 6.00A	1
715.01030.02	PILOT LIGHT LENS,RED,RD,22MM,NEMA4	1
721.01045.02	PUSHBUTTON,GREEN,RD,MOMENTARY,22MM	1
721.00050.02	PUSHBUTTON,BLUE,RD,MOMENTARY,22MM	1
A0542574	HORN,ALARM,24VDC	1
715.00069.02	LIGHT,MODULE,LATCH,LED,RED,24VDC	1
721.01043.02	PUSHBUTTON,CONTACT,1NO	2

COMMON PARTS	115V/24VDC	
A0538000	FUSE,600V,CC,TD, 3.00A BUSSMANN FNQ-R-3	1

COMMON PARTS	230V/24VDC	
A0536896	FUSE,600V,CC,TD, 2.00A BUSSMANN FNQ-R-2	1

DRAWINGS		
A0568977	DWG,SCC1/4,ENCL LYT	
A0568970	DWG,SCC1/4,ELEC SCHEM	



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