

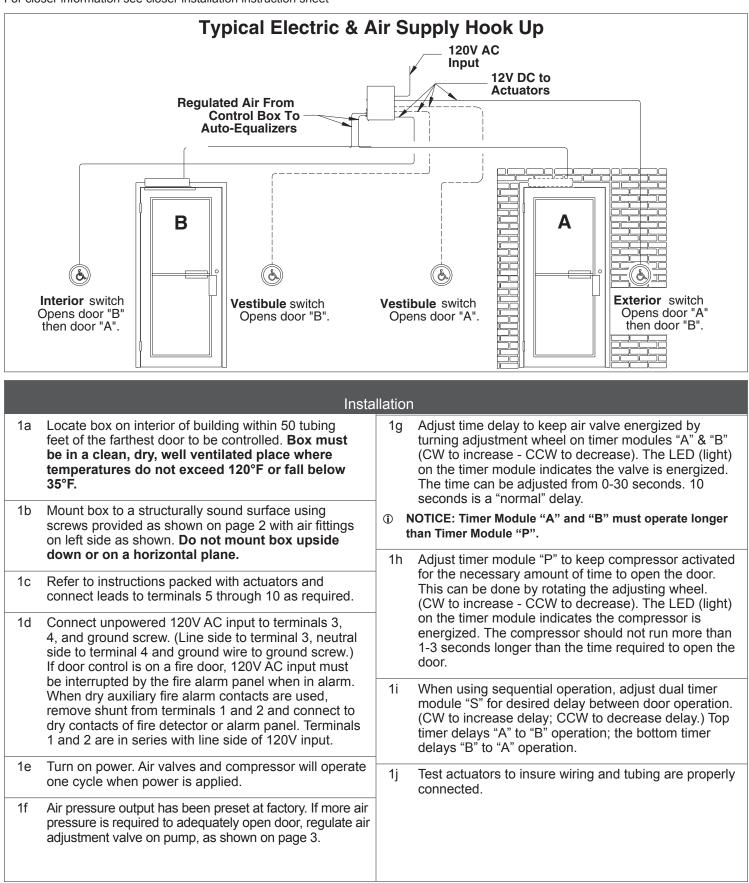
Model 7982 SEQ

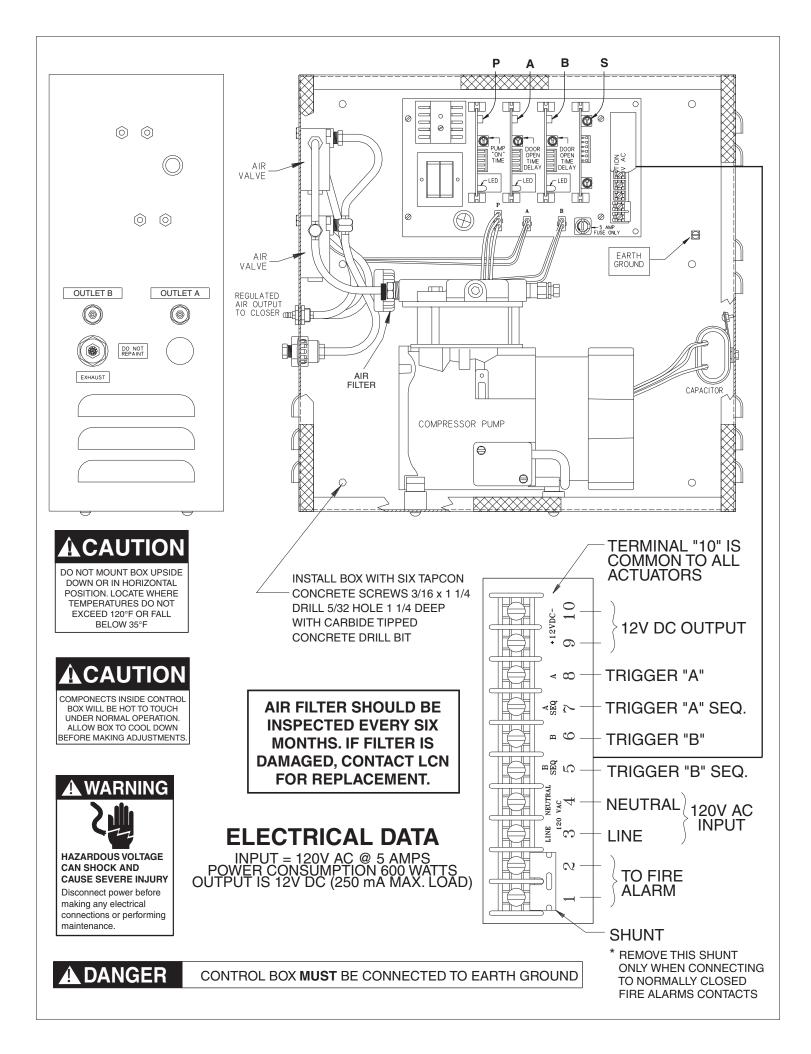


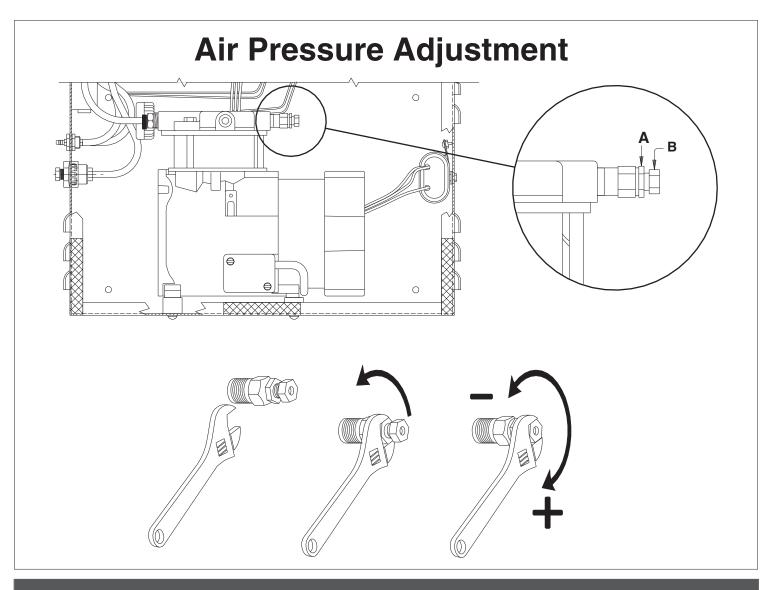
Installation Instructions

Control Box

For closer information see closer installation instruction sheet





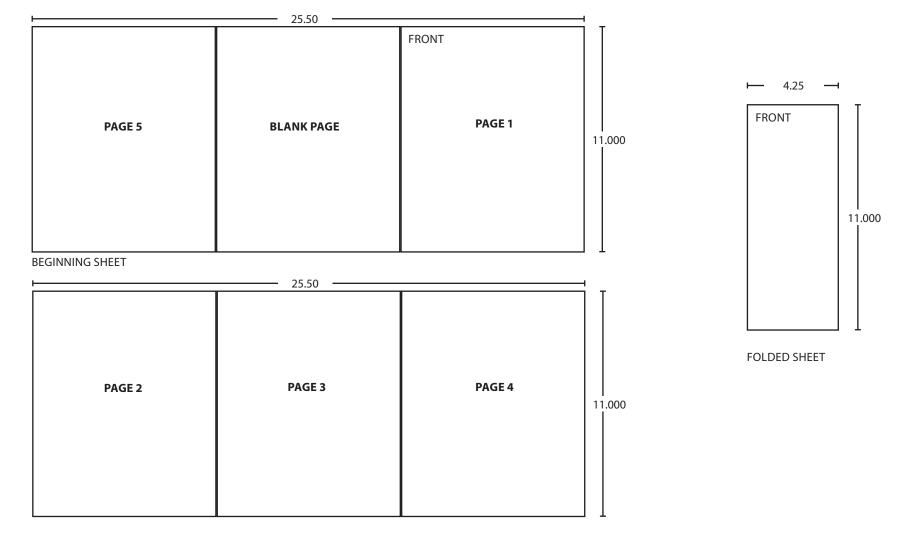


Air Pressure Adjustment					
1a	Loosen lock nut. (A)				
1b	Turn outer valve (B) to regulate air pressure.				
1c	Tighten lock nut.				

Symptom	Possible Cause	Suggested Remedy		
No Power Opening	No power to control box / blown fuse	Verify 120VAC 60HZ power is present at terminals 3 & 4 on control box terminal strip. Check fuse. Replace only with 5 amp (3AG type) fuse.		
	Actuator(s) not connected properly	Be sure a timer module board is firmly in place in "A". "B" & "P" slots. Timer "S" must be in place for sequential operation. Operate actuator(s). LED or timer module should light when actuator is used. The LED on timer "P" should light whenever "A" or "B" is lit. If not, momentarily short actuator terminals 6 & 10 and 8 & 10 in the control box. If LED lights, check wiring to actuators for an open circuit. If it does not light, check for voltage at terminals 9 & 10. Voltage should read from 11.75 to 13.25V DC. If there is no reading, disconnect leads from terminals 9 & 10 Short actuator terminals. If LED lights,		
	Fire alarm system causing open circuit on terminals 1 & 2	check for short circuit in actuators. Shunt terminals 1 & 2 with power off. Restore power. If control operates when actuator terminals in the control box are shorted, an open circuit exist in wiring to fire alarm. When Auto-Equalizer is not used with fire alarms, terminals 1 & 2 must be permanently shorted with a shunt.		
		IMPORTANT! When Auto-Equalizer is connected to fire alarm, make sure shunt is removed from terminals 1 & 2. Terminals 1 & 2 are one leg of 120V line.		
	No input to Auto-Equalizer operator	Disconnect tubing from Auto-Equalizer operator. Try actuator and verify that air is coming out of tubing. If not, trace tubing to control box, checking for breaks or kinks in air line.		
	Air lines obstructed with dirt or ice.	Clean or thaw lines and reroute if necessary. Eliminate dips near cold zones.		
	Air valves not working	Make sure air valve leads are plugged into main board. (Be sure valves in system are plugged into connectors "A" & "B".)		
	Compressor not working	Make sure compressor leads are plugged into main board. (Be sure compressor is plugged into connector "P").		
Does not open or fully open	Control box exhaust restricted.	Exhaust muffler may be clogged by dirty air or accidental painting. Clean in alcohol or mineral spirits.		
Opens too slow or not at all	Inlet filter clogged	Replace filter element (Contact LCN for replacement)		

Symptom	Possible Cause	Suggested Remedy
Power opening will not time out.	Scanner maintaining signal to control box.	Make sure lenses are clean and there are no obstructions in front of scanner. Model 909 or 939 proximity scanner may "see" an opposite wall. Adjust range as described earlier.
	Switch circuit maintaining contact.	Check for short circuit or error in wiring to switch or scanner.
	Air valve blocked open with contaminant.	Cycle valve several times by momentarily shorting actuators in the control box. This should clear valve.
Power opening timing out too soon.	Air compressor needs readjustment. Timer cards not set properly	See page 2 for regulation instructions. Set timer cards "A" & "B" for Max. time. Set timer card "P" for Min. time. Slowly increase card "P" until "time- out" is 1-3 seconds after door is fully open. Decrease timer card "A" & "B" to achieve desired time delay before closing. (Make sure "P" times out before "A" & "B".)





Additional Notes:		Revision History					Revision Description:			
1. None	E	F	G	н	J	к	E > Revised artwork			
	043228									
	Material	Material White Paper					Edited By	Approved By	EC Number	Release Date
							D. Myers	M. Sasso	043228	01-01-14
	· · ·	Notes 1. printed two sides 2. printed black					Title 7982 Series Sequential Contol Box Instruction Sheet			
	3. tolerar 4. printee	 a. tolerance ± .13 b. printed in country may vary b. drawings not to scale 					Creation Date 04-27-10	Number Revisi 23657		Revision E
	5. diawii						Created By N/A	Activity 3899 Hancock Expwy		
							Software: InDesign CS6	Security, CO 80911		© Allegion 2014