

23655

Control Box



Installation Instructions

Model ES7982

For closer information see closer installation instruction sheet







Installation Troubleshooting Chart

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. Operate actuator(s) LED on 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 6 & 10 and 8 & 10. If LED lights, check for short circuit in actuators.
	Fire alarm system causing open circuit on terminals 1 & 2.	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).
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.	See page 2 for regulation instructions.
	Timer cards not set properly.	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").



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