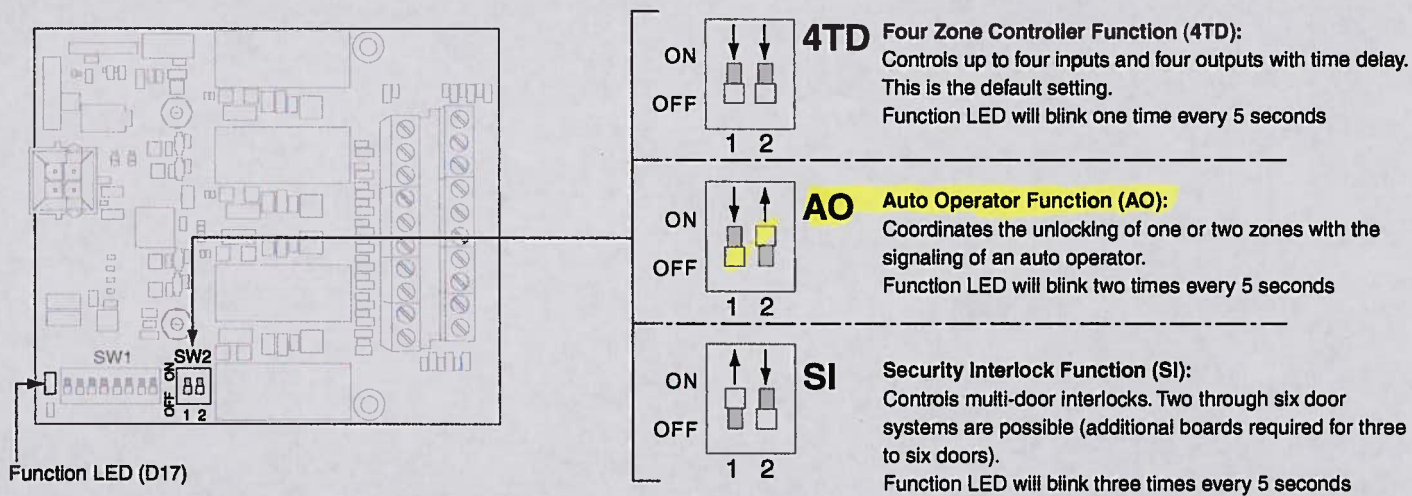


## 2 CHOOSE FUNCTION OF 900-4RL BOARD BY SETTING SW2 DIP SWITCHES



## 3 TO COMPLETE CONFIGURATION AND WIRING, GO TO APPROPRIATE SECTION

For 4TD: Go to pages 3-4

For AO: Go to pages 5-6

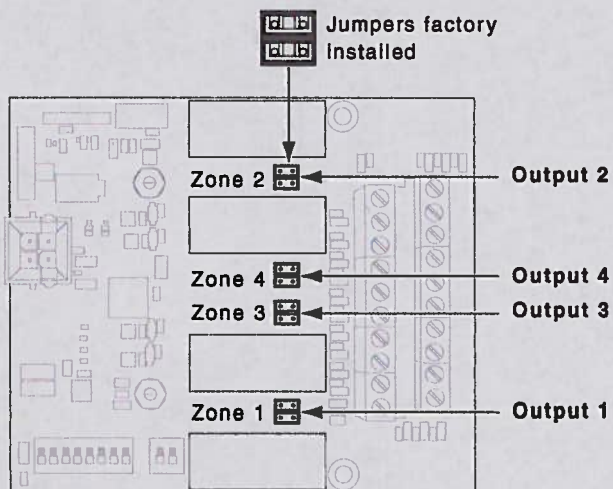
For SI: Go to pages 7-8

Basic Troubleshooting: Go to page 8

## (OPTIONAL) DRY CONTACT CONFIGURATION

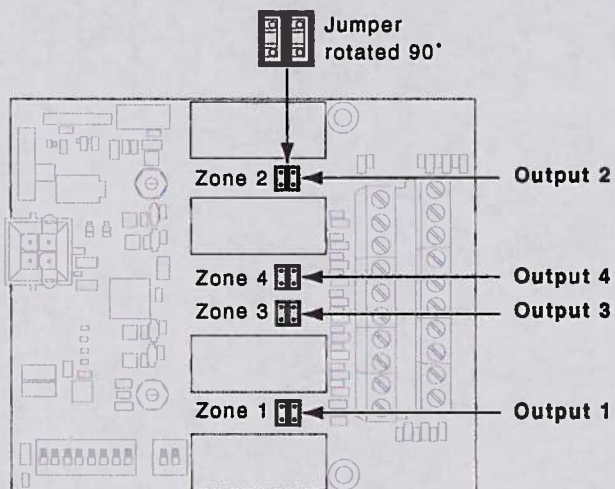
### Powered Outputs (Default)

By default, all outputs provide 12/24VDC



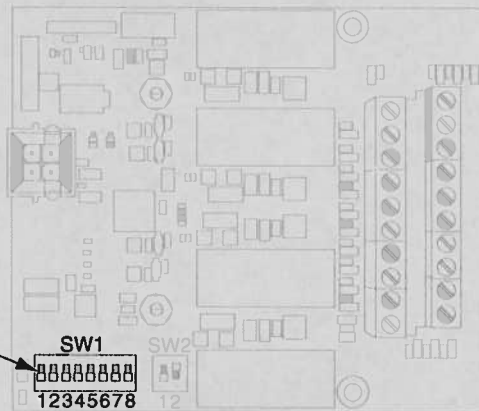
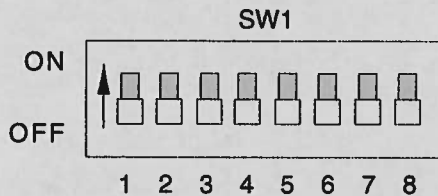
### Dry Contact Outputs (Optional)

For dry contact outputs, remove appropriate jumpers and rotate 90°, then reinstall (Zone 1 - Zone 4)



## AO - SET CONFIGURATION USING SW1 SWITCHES

DIP switches on SW1 can be turned "ON" by moving them in the direction that the arrow is pointing. Switches below shown in "OFF" position



	SW1 SWITCH NUMBER	AO DIP SWITCH DEFINITIONS All switches shown in "OFF" position in wiring diagram
<b>Set Auto Operator Signaling Option</b> Determines when the auto operator signal will be active	1 Off 2 Off	Operator is signaled when latch monitor switch becomes active. Monitor switch required
	1 On 2 Off	Operator is signaled 0.5 seconds after control switch becomes active. No monitor switch used.
	1 Off 2 On	Operator is signaled 1.0 seconds after control switch becomes active. No monitor switch used.
	1 On 2 On	Operator is signaled 1.5 seconds after control switch becomes active. No monitor switch used.
Not Used	3	Not used
<b>Set Individual Mode or Sequential Mode</b> Individual Mode - One input will trigger one locking device. Sequential Mode - One input will trigger two locking devices.	4	Turn "OFF" (default) to enable Individual Mode (single doors). Turn "ON" to enable Sequential Mode (double doors).
<b>Set Time Delay*</b> (0-30 seconds, 2 second increments) 0 Sec: Switches 5-8 "OFF" 30 Sec: Switches 5-8 "ON"	5	Adds 2 seconds to the time delay when "ON"
	6	Adds 4 seconds to the time delay when "ON"
	7	Adds 8 seconds to the time delay when "ON"
	8	Adds 16 seconds to the time delay when "ON"

\* Time Delay begins when an input is released.

AO INPUT / OUTPUT TERMINAL BLOCK DEFINITIONS	
Input 1	Access Control 1
Input 2	Lock Monitor 1
Input 3	Access Control 2
Input 4	Lock Monitor 2
Output 1*	Lock 1
Output 2*	AO Signal 1
Output 3*	Lock 2
Output 4*	AO Signal 2

\*See page 2 for dry contacts

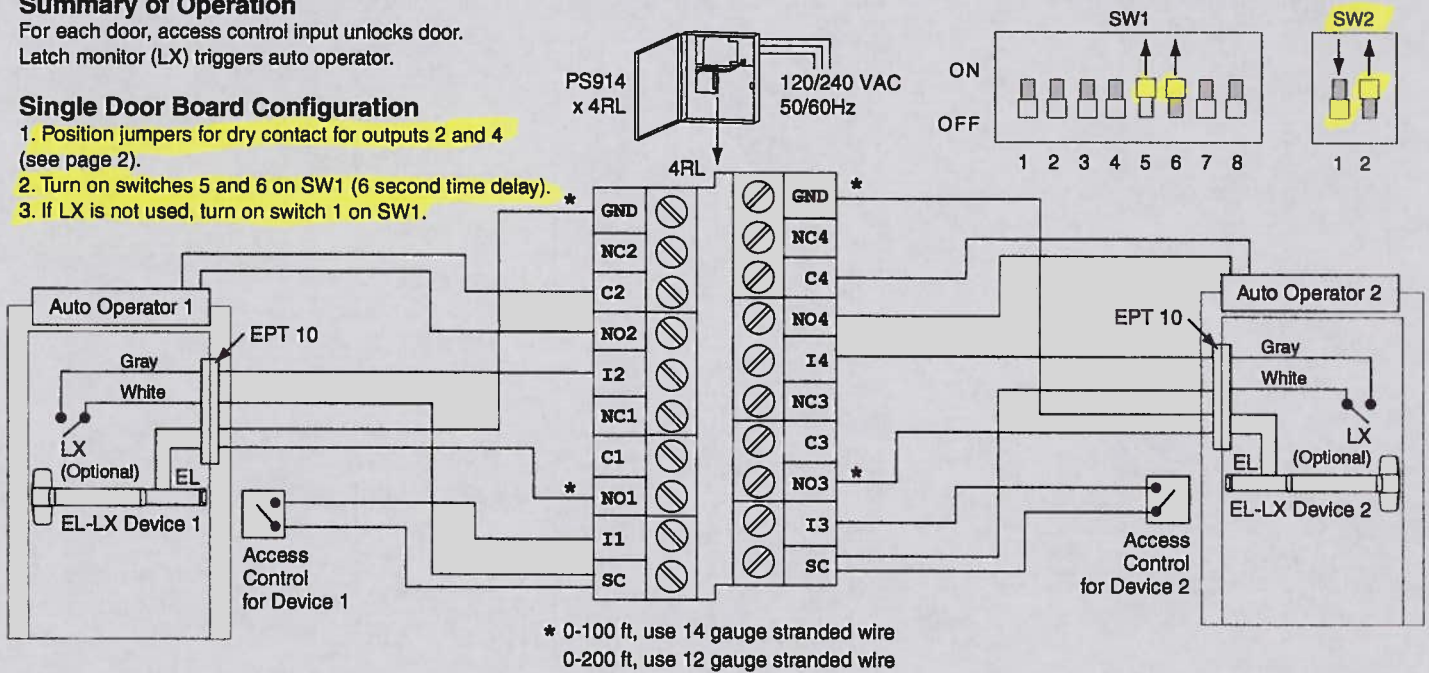
## AO - WIRING EXAMPLE - TWO SINGLE DOORS

### Summary of Operation

For each door, access control input unlocks door.  
Latch monitor (LX) triggers auto operator.

### Single Door Board Configuration

1. Position jumpers for dry contact for outputs 2 and 4 (see page 2).
2. Turn on switches 5 and 6 on SW1 (6 second time delay).
3. If LX is not used, turn on switch 1 on SW1.



## AO - WIRING EXAMPLE - DOUBLE DOORS

### Summary of Operation

Access control input unlocks both doors.  
Both latch monitors (LX) trigger auto operators.

### Double Door Board Configuration

1. Position jumpers for dry contact for outputs 2 and 4 (see page 2).
2. Turn on switches 4, 5, and 6 on SW1 (6 second time delay).
3. If LX is not used, turn on switch 1 on SW1.

**Note:**  
Fail secure output only  
allowed if approved  
by Authority Having  
Jurisdiction

Refer to Wire Table  
(page 7)

