Door Lock Monitoring System

••

Design Version Set 1.0

Wiring Diagrams and Input Tables

WIRING CHANGES

No Wiring Changes

INPUT TABLE

If the state	of the door inputs of the door inputs of fault. M	does not match any ust be in door zone	of these conditions, for fault to occur.	the unit will go into	
	CLOSE	OPEN Front	OPEN Rear		
IN1	OLOGE	OFERTION	OFENTION		
1	ON		ON		
2	ON		ON		
3	ON	ON			
4	ON	ON			
5	ON		ON		
6	ON		ON		
7	ON	ON			
8	ON	ON			
IN2 1	ON				
2	Х	х	х		
3	C	One or both must be ON for fault to accur			
4				a1	
5	ON will cause 24				
6					
7	ON will cause 2B				
8	х	x	x		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care	:	

DLMS301_SP_TopLockIN2_2Rev0



WIRING CHANGES

See Corresponding Diagram

INPUT TABLE

If the state of the door inputs does not match any of these conditions, the unit will go into fault. Must be in door zone for fault to occur.						
	CLOSE	OPEN Front	OPEN Rear	OPEN Top		
IN1 1	ON					
2	ON			х		
3	ON	ON	ON	ON		
4	ON	ON	ON	ON		
5	ON		ON			
6	ON		ON			
7	ON	ON		ON		
8	ON	ON		ON		
IN2 1	ON					
2	ON	x	x			
3	One or both must be ON for fault to occur					
4						
5	ON will cause 2A					
6						
7	ON will cause 2B					
8	х	x	Х			
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care			

DLMS301_SP_SeriesGateLock_ParallelDCL_2DOB

Wiring Changes

GND 24V

DFC PLUG 8C F 24 V R

1C

1

2C

2

3C

3

7C

8

1) Move CE20 from R5 to R8

GND

24V

1C 2 2C

1

2) Move Yellow/Red Jumper from R5NO to R8NO

3) If using DFCs or an Active High DCL, dipswitches 7 and 8 on S2 will need turned OFF

IN1

4C 5

5C

6 6C 7

3C

4

3

* If using and active low DCL signal, 7 and 8 can stay in ON position



WIRING CHANGES

See Corresponding Diagram

INPUT TABLE

If the state of the door inputs does not match any of these conditions, the unit will go into fault. Must be in door zone for fault to occur.					
	CLOSE	OPEN Front	OPEN Rear		
IN1					
1	ON				
2	ON				
3	ON	ON	ON		
4	ON	ON	ON		
5	ON		ON		
6	ON		ON		
7	ON	ON			
8	ON	ON			
IN2 1	ON				
2	х	Х	х		
3		One or both must be ON for fault to accur			
4					
5	ON will cause 2A				
6					
7	ON will cause 2B				
8	Х	Х	Х		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care		

DLMS301_SP_LuLdMonitoringIN2_2and4_FrontOnlyAccessLockIN1_4_Rev1



DLMS301_SP_LuLdMonitoringIN2_2and4_FrontOnlyAccessLockIN1_4_Rev1

Г

WIRING CHANGES

See Corresponding Diagram

INPUT TABLE

If the state	e of the door inputs fault. M	does not match any ust be in door zone	of these conditions, for fault to occur.	the unit will go into
	CLOSE	OPEN Front	OPEN Top	
IN1	02002			
1	ON			
2	ON		Х	
3	ON	ON	ON	
4	ON	x		
5	ON			
6	ON			
7	ON	ON	ON	
8	ON	ON	ON	
IN2 1	ON			
2	ON will prevent fault from occuring			
3	Must be ON for fault to occur.			
4	ON will prevent fault from occuring			
5				
6	ON will cause 2A			
7	ON will cause 2B			
8	x	x	х	
Leaend:	ON = LED ON	Blank = LED OFF	X= Don't Care	1

WIRING CHANGES

No Wiring Changes

INPUT TABLE

If the state	of the door inputs of the door i	does not match any ust be in door zone	of these conditions, for fault to occur.	the unit will go into	
	CLOSE	OPEN Front	OPEN Rear		
IN1					
1	ON		ON		
2	ON		ON		
3	ON	ON			
4	ON	ON			
5	ON		ON		
6	ON		ON		
7	ON	ON			
8	ON	ON			
IN2 1	ON				
2	х	x	х		
3	One or both must be ON for fault to occur				
4					
5		ON will a	cause 2A		
6					
7	ON will cause 2B				
8	х	x	х		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care	1	

ſ

WIRING CHANGES

No Wiring Changes

INPUT TABLE

If the state	e of the door inputs of the door inputs of the door inputs of the fault. M	does not match any ust be in door zone	of these conditions, for fault to occur.	the unit will go into	
	CLOSE	OPEN Front	OPEN Rear		
IN1					
1	ON		ON		
2	ON		ON		
3	ON	ON			
4	ON	ON			
5	ON		ON		
6	ON		ON		
7	ON	ON			
8	ON	ON			
IN2 1	ON				
2	x	x	х		
3		One or both must be ON for fault to occur			
4					
5		ON will cause 2A			
6					
7		ON will cause 2B			
8	x	x	X		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care		

ľ

WIRING CHANGES

No Wiring Changes

INPUT TABLE

If the state of the door inputs does not match any of these conditions, the unit will go into fault. Must be in door zone for fault to occur.					
IN1		OPENTION			
1	ON		ON		
2	ON		ON		
3	ON	ON			
4	ON	ON			
5	ON		ON		
6	ON		ON		
7	ON	ON			
8	ON	ON			
IN2 1	ON				
2	х	x	Х		
3					
4		One of both must be ON for fault to occur			
5					
6		ON WILL	cause ZA		
7	ON will cause 2B				
1 0	v	×	v		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care		



Wiring Changes

Dipswitches 3 and 4 on set S2 correspond to IN1-3 and IN1-4

*Dipswitches need to be in OFF position if using those inputs

NO NO NO NO

7

NO

NC

6

NO

NC 5

NO NC

4

NO

NC

3 NO

NC 2

NO

NC

11

NC

10

NC

9

NC

8

NC





WIRING CHANGES

See Corresponding Diagram

INPUT TABLE

If the state of the door inputs does not match any of these conditions, the unit will go into fault. Must be in door zone for fault to occur.						
	CLOSE	OPEN-INT	OPEN-TOP	OPEN-BOT		
IN1						
1	ON					
2	ON		ON	ON		
3	ON	ON		ON		
4	ON	ON	ON			
5	ON					
6	ON					
7	ON	ON	ON	ON		
8	ON	ON	ON	ON		
IN2 1	ON					
2	x	x	Х	х		
3		One or both must be ON for fault to occur				
4						
5	-	ON will cause 2A				
6						
7	ON will cause 2B					
8	Х	x	Х	Х		
Legend:	ON = LED ON	Blank = LED OFF	X= Don't Care			