

Table 8.6 Trimmer TR6 (IN-AUX, OUT-AUX)

Trimmer position	IN-AUX inputs	OUT-AUX outputs	Active diagnostics and alarms
0	not used	1= alarm 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud');
1	1= not used 2= photocell H 3= photocell L 4= not used	1= alarm 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud'); photocells activation ('ATT');
2	1= not used 2= photocell H 3= photocell L 4= cover	1= alarm 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud'); photocells and cover activation ('ATT');
3	1= drop arm sensor 2= not used 3= not used 4= not used	1= drop arm solenoid 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud'); arm in barrier position ('Drop arm');
4	1= drop arm sensor 2= photocell H 3= photocell L 4= not used	1= drop arm solenoid 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud'); arm in barrier position ('Drop arm'); photocells activation ('ATT');
5	1= drop arm sensor 2= photocell H 3= photocell L 4= cover	1= drop arm solenoid 2= buzzer	tripod positioning ('Positioning'); solenoid locking action ('Fraud'); arm in barrier position ('Drop arm'); photocells and cover activation ('ATT');
6	not used	1= enable reader A 2= enable reader B	tripod positioning ('Positioning'); solenoid locking action ('Fraud');
7	not used	1= counting pulse A 2= counting pulse B	tripod positioning ('Positioning'); solenoid locking action ('Fraud');
8	not used	not used	tripod positioning ('Positioning'); solenoid locking action ('Fraud');
9	not used	not used	tripod positioning ('Positioning'); solenoid locking action ('Fraud');

Table 8.7 Trimmer TR7 (Mode A and B, Remote Controls)

Trimmer position	Mode A	Mode B	Remote control (USER-INT inputs)	RS485 serial line
0	set by remote control or serial line	set by remote control or serial line	enabled (if serial line inactive)	full operation enabled
1	lock	lock	disabled	enabled to read the gate status only
2	lock	unlock	disabled	idem
3	lock	reader control	disabled	idem
4	unlock	lock	disabled	idem
5	unlock	unlock	disabled	idem
6	unlock	reader control	disabled	idem
7	reader control	lock	disabled	idem
8	reader control	unlock	disabled	idem
9	reader control	reader control	disabled	idem

Table 8.8 Trimmer TR8 (REL1)

Trimmer position	REL1 signal	Contact polarity (*)
0	power supply presence	positive logic
1	all the alarms	positive logic
2	'Positioning' and 'Fraud' alarms	positive logic
3	'Drop Arm' alarm	positive logic
4	'ATT' alarm	positive logic
5	all the alarms	negative logic
6	'Positioning' and 'Fraud' alarms	negative logic
7	'Drop Arm' alarm	negative logic
8	'ATT' alarm	negative logic
9	power supply presence	positive logic

(*) Positive logic: in case of alarm or main power presence, the contact is closed between 6 and 7 terminals of USER-INT.
Negative logic: in case of alarm, the contact is opened between 6 and 7 terminals of USER-INT; that contact stays closed in normal condition.

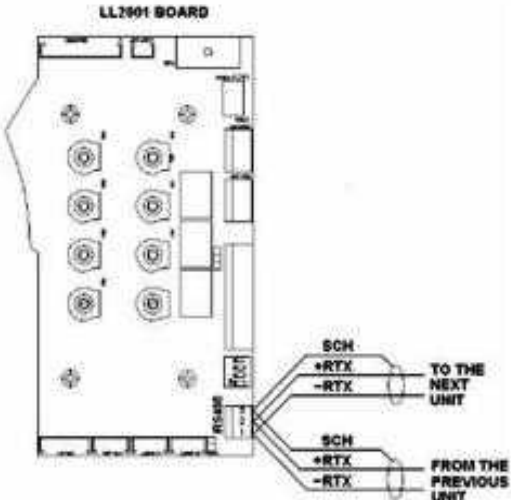
connector / pin			
auxiliary input #1	IN-AUX pin 2	auxiliary output #1	OUT-AUX pin 2
auxiliary input #2	IN-AUX pin 3	auxiliary output #2	OUT-AUX pin 3
auxiliary input #3	IN-AUX pin 4		
auxiliary input #4	IN-AUX pin 5		

connector / pin	
REL1	USER-INT pin 6, 7

Table 8.9 LL2001 dip-switches configuration for RS485 serial line address assignment

Address	Dip 1	Dip 2	Dip 3	Dip 4
1	OFF	OFF	OFF	OFF
2	ON	OFF	OFF	OFF
3	OFF	ON	OFF	OFF
4	ON	ON	OFF	OFF
5	OFF	OFF	ON	OFF
6	ON	OFF	ON	OFF
7	OFF	ON	ON	OFF
8	ON	ON	ON	OFF
9	OFF	OFF	OFF	ON
10	ON	OFF	OFF	ON
11	OFF	ON	OFF	ON
12	ON	ON	OFF	ON
13	OFF	OFF	ON	ON
14	ON	OFF	ON	ON
15	OFF	ON	ON	ON
16	ON	ON	ON	ON

RS485 Serial Line



Address	Dip 1	Dip 2	Dip 3	Dip 4
1	OFF	OFF	OFF	OFF
2	ON	OFF	OFF	OFF
3	OFF	ON	OFF	OFF
4	ON	ON	OFF	OFF
5	OFF	OFF	ON	OFF
6	ON	OFF	ON	OFF
7	OFF	ON	ON	OFF
8	ON	ON	ON	OFF
9	OFF	OFF	OFF	ON
10	ON	OFF	OFF	ON
11	OFF	ON	OFF	ON
12	ON	ON	OFF	ON
13	OFF	OFF	ON	ON
14	ON	OFF	ON	ON
15	OFF	ON	ON	ON
16	ON	ON	ON	ON

Figure 5.8 RS485 serial line connection

