

toll-free 800.814.4053 local 909.793.8457 fax 909.798.4457 2015 West Park #3 P.O. Box 8891 Redlands, CA 92373



ACAUTION



ALWAYS REMOVE POWER AND WAIT AT LEAST 30 SECONDS BEFORE CONNECTING OR DISCONNECT-ING ANY INTERNAL ELECTRONIC COMPONENTS OR INTERCONNECTING PARTS. FAILURE TO DO SO MAY RESULT IN DAMAGE TO THE UNIT OR BODILY HARM

WARNING



THIS UNIT MUST BE PROPERLY GROUNDED DO NOT REMOVE THE GROUND PRONG



Readthis Manual before installing and operating this equipment.

Save this manual for future reference



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Wiring and Mounting

Wiring

Reset Button

To reset the counter you will need to tie a momentary switch between pin 2 GND and pin 14 RED

Counter Control

The counter signal line can be connected in 1 of 2 ways

Option 1 (triggers on a low to high transition)

Pin 1 VCC to photo transistor power

Pin 6 CL(+) to photo transistor signal line

Jumper 2 GND and 5 CL(-)

Option 2 (triggers on a high to low transition)

Pin 1 VCC to photo transistor power

Pin 3 RX 232 to photo transistor signal line

Mounting

The remote display can be mounted using four 1/4" bolts or two 1/2" Wide hose clamps



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Options

To configure the options hold the LEFT button during cont down. Once in option the LEFT button increments the option number and the RIGHT button toggle the value of that option

Option 0 Default Resets all options to factory defaults.

Option 1Trigger0 - Trigger Count on a high to low transition1 - Trigger Count on low to high transition*these are reversed when wired with RS232

Option 2 Count Up / Count Down 0 - Count Up 1 - Count Down

Option 3 Count By Set the number to count by 1 to 255

Option 4 Save Count 0 - Count is reset when power is lost 1 - Count is restored after power is lost

Option 5 Future Option

6 - X.XXXXX

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Option 7No Count Down0 – Display Counts from all 9s to all 0s on power up1 – Display does not count down on power up

Option 8 No Zero Suppression 0 – Leading 0s are treated as blanks (12) 1 – All leading 0s are displayed (000012)

Option 9 Future Option

Option 10 Mirror 0 – Counter used in direct viewing

1 - Counter used in a rear view mirror

Option 11 Future Option

Option 12 Future Option

Option 13 Transmit Data

0 - Count is not transmitted serially

1 - Count is transmitted serially

Option 14 Transmit Baud Rate

Set the desired baud rate to transmit the current count. Ignored when Option 13 is set to $0\,$

Option 15Reset Count0 - Keep Counting when Minimum or maximum is reached1 - Reset Count when Minimum or Maximum is reached

Option 16 Minimum Count Set the Minimum Count Number

Option 17 Maximum Count Set the Maximum Count Number



Option 18 Future Option

Option 19 Future Option

Option 20 Version Displays the software version

Option 21 Red Light

0 – No Red Light option

1 – Red Light Controlled by a switch

2 – Red Light when under minimum Count (Option 16)

3 – Red Light when over maximum Count (Option 17)

4 – Red Light when within the minimum and maximum range

Option 22 Green Light

0 – No Green Light option

1 – Green Light Controlled by a switch

2 – Green Light when under minimum Count (Option 16)

3 – Green Light when over maximum Count (Option 17)

4 – Green Light when within the minimum and maximum range

Option 23 Buzzer 1

0 – No Buzzer

1 – Buzzer 1 sounds when under minimum Count (Option 16)

2 – Buzzer 1 sounds when over maximum Count (Option 17)

3 – Buzzer 1 Sounds when out of range

Option 24 Buzzer 2

0 – No Buzzer

1 – Buzzer 2 sounds when under minimum Count (Option 16)

2 – Buzzer 2 sounds when over maximum Count (Option 17)

3 – Buzzer 2 Sounds when out of range

Option 25 Future Option

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Replacement Parts

Part #	Description	
LMB-Counter	Motherboard for SBLC-4 and SBLC-6 displays	
L2-Main-Counter	digit board for SBLC-2 displays	
L4-Main	1s, 10s, 100s digits for SBLC-4 display	
L4-Slave	1000s, 10000s, 100000s digits for SBLC-4 displays	
L6-Main	1s, 10s, digits for SBLC-4 displays	
L6-Slave34	100s, 1000s, digits for SBLC-4 displays	
L6-Slave56	10000s, 100000s, digits for SBLC-4 displays	
PWR	110-220 switching power supply-PD65A	

Revision History

Date	Revision	Description	
08-28-2010	v1.0	Initial Manual Release	
		23	
	1	2010-22	

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