TOMAR Electronics, Inc.
Clearing the Way

IS0560-03
08/18/2017

500L-1224-X

SPECIFICATIONS
(Unit pictured with optional flange mount ring, dimension not included)

SIZE	5.25” tall x 5.5” dia. x 2.0 lbs (133mm x 140mm x 0.9kg)
NEMA	4X
OPERATING TEMPERATURE	-40 - +65 Degrees C
INPUT VOLTAGE RANGE	10-28 V (DC/AC)
NOMINAL INPUT VOLTAGE	12/24 V (DC/AC)
INPUT CURRENT:	

DC INPUT	Steady State Mode	Flashing Mode		
		MAX	MIN	AVG
10VDC	486mA	1.1 A	2mA	263mA
12VDC	381mA	785mA	3mA	200mA
24VDC	194mA	385mA	7mA	98mA
28VDC	169mA	336mA	8mA	88mA

AC INPUT	Steady State Mode	Flashing Mode		
		MAX	MIN	AVG
10VAC	613mA	735mA	193mA	472mA
12VAC	644mA	830mA	215mA	499mA
24VAC	352mA	622mA	181mA	347mA
28VAC	320mA	549mA	174mA	314mA

LIGHT SOURCE	Single white LED with a total luminous output of 347 lm	
WIRE CONNECTION	Red + V (DC/AC)	System on, Steady State
	Black – V (DC/AC)	Ground
	White + V (DC/AC)	Flashing

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OPERATION

To activate the unit in the PRIMARY - STEADYBURN MODE, connect the BLACK wire to –V (DC/AC) and connect the RED wire to +V (DC/AC).
When in PRIMARY - STEADYBURN MODE, to change the unit to the SECONDARY - FLASH MODE, connect the white wire to +V (DC/AC).

PROGRAMMING PRIMARY & SECONDARY MODES

1) Remove power from unit.

2) Connect the White wire and Red wire together.

3) Restore power to the unit and wait approximately 3 seconds until the unit flashes 3 times. Remove the white wire only from +V (DC/AC), the unit will alternately demonstrate the Secondary - Flash Mode and Primary - Steadyburn Mode that will be displayed during operation. The Secondary - Flash Mode, followed by the Primary – Steadyburn Mode will be alternately demonstrated for approximately 4 seconds each. To select the next mode of operation, tap the white wire to +V (DC/AC). The unit will cycle to the next mode in the list below.

4) When you reach the desired mode of operation, remove power from the unit.
When power is reapplied the unit will operate as last programmed.

Mode #	Steadyburn Mode	Secondary - Flash Mode
1 (Factory Setting)	High	Single - 60 FPM
2	OFF	Single - 60 FPM
3	Low	Single - 60 FPM
4	High	Single - 150 FPM
5	OFF	Single - 150 FPM
6	Low	Single - 150 FPM
7	High	Single - 375 FPM
8	OFF	Single - 375 FPM
9	Low	Single - 375 FPM
10	High	Neobe - 75 FPM
11	OFF	Neobe - 75 FPM
12	Low	Neobe - 75 FPM
13	High	Neobe - 150 FPM
14	OFF	Neobe - 150 FPM
15	Low	Neobe - 150 FPM
16	High	Double - 125 FPM
17	OFF	Double - 125 FPM
18	Low	Double - 125 FPM
19	High	Double - 250 FPM
20	OFF	Double - 250 FPM
21	Low	Double - 250 FPM