

## SAF-553 Stand-Alone Flasher

*For Asset Location and Recovery*

### *Applications, Performance*

The Falmouth Scientific SAF-553 Flasher is a small battery powered optical flashing recovery device. Multiple settings allow for selection of flashing and timing options for use in a variety of different applications.

The design uses an ultra-low power electronics and water turn-on sense circuitry which enable long battery life.

The SAF-553 is extremely lightweight and is perfect for recovery of Gliders, AUVs, or other autonomous vehicles after mission duration has elapsed.



### **Specifications**

Flash Repetition Rate		Normal: 1.0 sec
Light Source		3 LED units with 120 separation, 135 LUMENS each (calculated)
Visible Detection Range		2-3 nautical miles typical (night); IR LEDs Optional
Activation		Water Turn On Contacts
Operating Life Uses 3 standard AAA Cells	Alkaline	14 day operation in 5 pulses / 10 second mode
	Lithium	28 day operation in 5 pulses / 10 second mode
Operational Depth		Up to 1,000 meters
Housing Material		6061 AL, anodized; O-ring sealed Other pressure ratings available
Weight in Air		180 grams / 0.4 pounds
Weight in Water		90.5 grams / 0.2 pounds

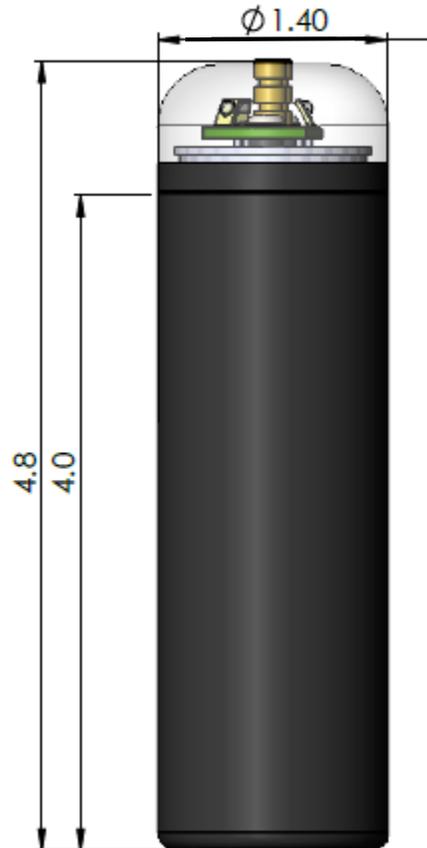
# SPECIFICATIONS

SPECIFICATIONS SUBJECT TO CHANGE WITHOUT NOTICE

## SAF-553 Standard Operational Mode Switch Settings

SAF-553 SWITCH SELECTIONS				
Switch Position	Flashes (1Hz)	Delay (Seconds)	Total Cycle Time (Seconds)	Activation Delay (Minutes)
0	2	5	7	20
1	3	5	8	20
2	4	5	9	20
3	5	5	10	20
4	2	5	7	30
5	3	5	8	30
6	4	5	9	30
7	5	5	10	30
8	2	5	7	40
9	3	5	8	40
A	4	5	9	40
B	5	5	10	40
C	2	5	7	50
D	3	5	8	50
E	4	5	9	50
F	5	5	10	50

\* JUMPER ALLOWS GOING DIRECTLY TO FLASH PATTERN\*



Flexible Design Allows for Other Customer Specified Operating Modes Available By Request – Contact FSI for Details

29 August 2016