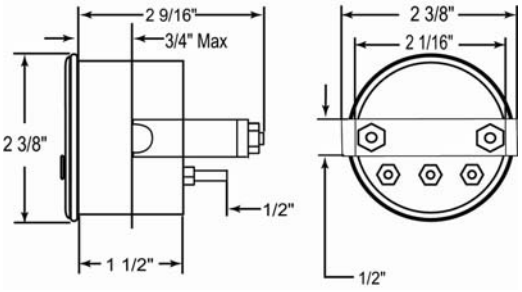
BC100 series
Bilge Counter with Cycle History

MEMBER ABYC
Setting Standards for Safer Boating

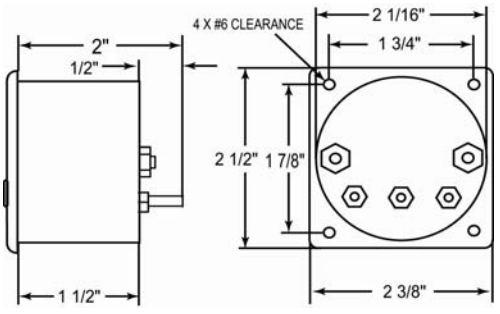
Pump cycle counters are used to foresee problems in the bilge. By comparing a counter's number against a known baseline, a worsening condition can be detected early. However, how do you find, use and store that baseline? The solution is the BC100, putting current data and a 2 week cycle history available at the touch of a button. When pressed, the BC100 displays the pump count total since last reset, followed by the total counts from the past 24 hour, 7 and 14 day periods. To keep information current, the unit updates itself and recalculates the totals every 24 hours on a sliding scale. When the 24 hour, 7 day, or 14 day period cycle counts are flashing, it indicates that the power has been interrupted and the count for the period may be invalid. Finally, the count illuminates in the display to let you know when the pump is running. Remember, ship happens, know when it does.

FEATURES & BENEFITS

- *Microprocessor controlled*
- *No moving parts to wear out*
- *Count illuminates in L.E.D. display when pump runs*
- *Tracks pump cycles for preceding 14 days*
- *Displays total pump cycles since last reset, followed by pump cycles for the previous 24 hr, 7 & 14 day periods*
- *Data is <u>always</u> current -updates pump totals every 24hrs*
- *Flashing count signifies a power loss for that time period, indicating the count could be inaccurate*
- *Exceeds both United States Coast Guard and U.L. Standards*
- *Maintains count with power loss*



Round Bezel



Square Bezel

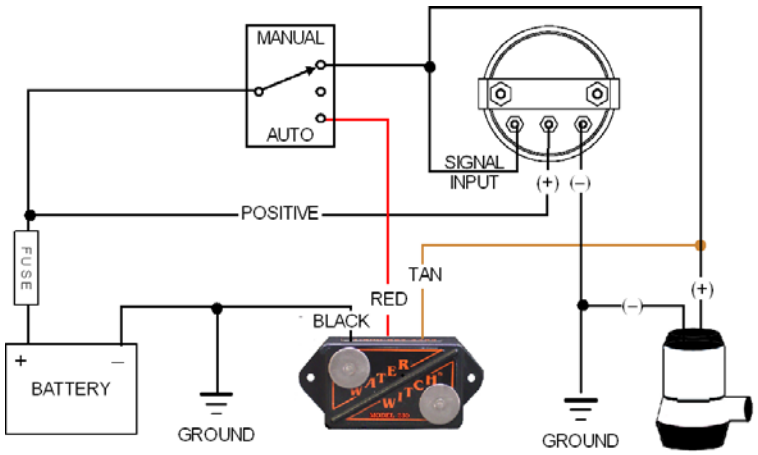
SPECIFICATIONS

Power Required:	12Vdc (BC100)
	24Vdc (BC100-24)
Power at Rest:	.020 Amps
Power at Display:	.150 Amps
Delay on:	6-8 seconds
Weight:	5.42 ounces
Square:	2.375" W x 2.5" H x 2" D
Round:	2.375" Diameter x 2.56" Deep

<u>Water Witch, Inc. PO Box 710447 Santee, California 92072</u>
1-800-654-4783 e-mail: info@WaterWitchInc.com www.WaterWitchInc.com

Installation / Wiring Instructions

1. Disconnect the battery.
2. The BC100 requires a 2 1/16" (53 mm) mounting hole with a maximum dash / bulkhead thickness of .75” (19mm) and a depth of approx. 3 inch.
3. Select a mounting location for the BC100 which is easy to see and clear of obstructions.
4. Cut the opening, de-burr the hole and check that the BC100 will properly fit. DO NOT FORCE INTO HOLE.
5. Follow the BC100 wiring schematic as illustrated in the diagram below.
6. From the center terminal: connect post to the positive side of the battery.
7. From the signal input terminal: connect post to positive wire from the bilge pump.
8. From the negative terminal: connect post to ground.
9. Place BC100 in hole at the desired position and tighten until flush & secure.
10. Reconnect the battery. The installation is complete.



BC100SQ - Square White Plastic

BC100RD - Round Black Plastic

BC100RD - Round White Plastic

Operating Instructions

- When installed correctly, once power is applied, the center segment of the display scrolls across the window, indicating normal operation.
- To begin tracking your bilge pump cycles, press the reset button. This clears the memory, resets all the totals and begins the cycle history at zero.
- A 6 second delay is built in to eliminate false counts caused by float switches.
- Momentarily pressing the DISPLAY button will show the total counts since the unit was last reset (by pressing the RESET button) or since it was initial powered.
- Press and hold the DISPLAY button to scroll the total number of cycles first, proceeded by the total cycles in the last 14 day, 7 day and 24 hour periods.
- When the 24 hour, 7 day, or 14 day period cycle counts are flashing, it indicates that the power has been interrupted and the count for the period may be invalid.
- The count will stop flashing only after having continuous power for that period.
- Pressing the RESET button clears all counts including the total count.

BC100SQ - Square Black Plastic

PURCHASE INFORMATION

Model #	Size	Color	Bezel	Voltage	Warranty
BC100RD	2⅜” Diameter x 2⅝” Deep	Black or White	Black or White Plastic	12Vdc	2 years
BC100SQ	2⅜” W x 2.5” H x 2” D	————	————	12Vdc	———
BC100-24RD	2⅜” Diameter x 2⅝” Deep	————	————	24Vdc	———
BC100-24SQ	2⅜” W x 2.5” H x 2” D	————	————	24Vdc	———

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