

# SMART SWITCH TECHNOLOGIES

---



## RB-800 Remote Bilge Monitor Installation Manual

---

# Table of Contents

Electrical Specifications	3
Wiring Block Diagram	3
Programming Instructions	4
Mounting Instructions/Template	4



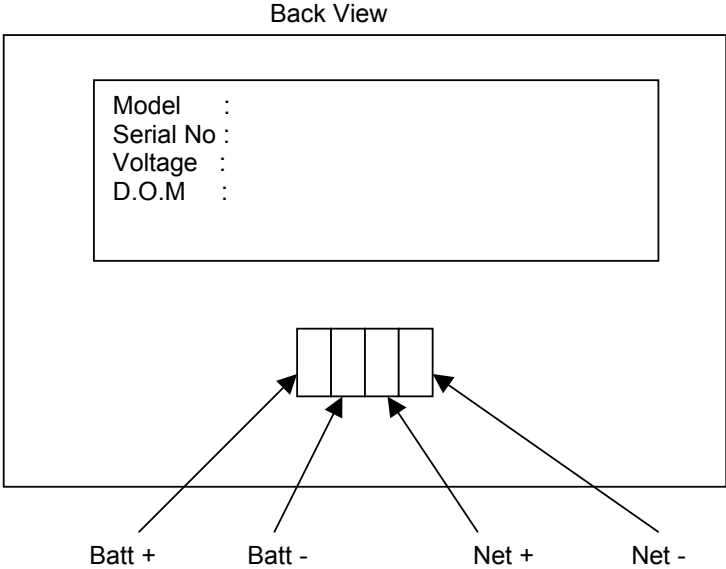
# Electrical Specifications RB-800

Supply Voltage	12 to 32 Volts DC (Auto-sensing)
Quiescent Current	0.03 Amps
Data Retention	50 years (without power)

## Network Cable

The cable connecting the BC-8000 display unit the RB-800 remote display unit and the BC-100 or BC-100/P units is referred to as the network cable and may run up to 1000 meters in total length.

## Wiring Diagram for RB-800 (RDU)



# Programming Instructions

Both the BC-8000 and the RB-800 have 14 pre-programmed text names, which may be used or changed. The names are stored at memory location 1 to 14.

When a fault occurs the BC-8000 will tell the RB-800 to display the name that is stored in the memory location that was programmed in the BC-8000.

E.G. If Switch Position 2 is programmed with the text stored at memory location 6 ( AftCentre ) then the BC-8000 will tell the RB-800 to display the name that is stored in it's memory location 6.

## What this means is:

If **any** text name is changed on the BC-8000 then the **same** name also needs to be changed on the RB-800.

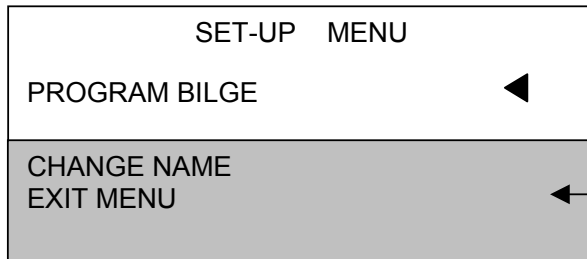
See Change Name on page 5.

BC-8000		RB-800	
Name	Memory location	Name	Memory location
Aft	1	Aft	1
Stern	2	Stern	2
Forward	3	Forward	3
Midship	4	Midship	4
AftPort	5	AftPort	5
AftCentre	6	AftCentre	6
AftStarboard	7	AftStarboard	7
MidshipPort	8	MidshipPort	8
MidshipCentre	9	MidshipCentre	9
MidshipStarboard	10	MidshipStarboard	10
ForwardPort	11	ForwardPort	11
Engine Room	12	Engine Room	12
Port Engine	13	Port Engine	13
StarBoard Engine	14	Stb Engine	14

# Programming Instructions:

## Step 1: Placing the unit in Program Mode

Press and hold down the Backlight & Scroll keys together for three seconds. This will place the unit in program mode.

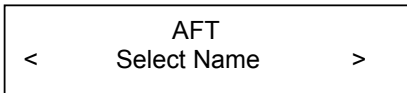


Use the Scroll key to scroll down to these

## Step 1: Program Bilge ( NOTE: If text names need to be changed please go to step 2 Change Name before doing Step 1 )

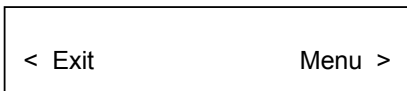
Push the Mute Key, the display will show " Select Switch # " use the Scroll or Backlight keys to change the switch number which corresponds to the I/O unit being programmed. Once the switch number has been selected push the Mute key.

The display will now show:



Use the Scroll or Backlight keys to scroll through the pre-programmed bilge names. Once you have found the name required push the Mute key.

The display will now show:



Push the Backlight key to Exit or the Scroll key to return to the Menu.

## Step 2: Change Name

The Backlight key will move the cursor across (when it reaches the end it will start back at the beginning) the Scroll key will scroll through the alphabet (when it reaches z the next character is a blank, it will then start back at A). When you have finished programming the new text push the Mute button.

The display will now show:



Push the Backlight key to Exit or the Scroll key to return to the Menu

All technologies, design and Intellectual property is owned by  
Smart Switch Technologies Ltd  
Po Box 272 Waikanae. NZ  
Phone 0064-293 4201 Fax 0064-293 4201  
Mobile: 0064-274-919-805  
Email: [info@smartswitch.co.nz](mailto:info@smartswitch.co.nz) Web: [www.smartswitch.co.nz](http://www.smartswitch.co.nz)