

WS2 Two Compartment Bilge Alarm & Bilge Pump Controller Module

This compact, easy to use, self contained flush mount module provides central wheelhouse bilge status display with remote bilge pump control for two bilge compartments. Interfaces with two local WS1-v4 bilge alarm and bilge pump control unit to provide a full bilge system status display, including Power On and available to pump, Pump Run Warnings, Bilge High Level Alarms and Remote Manual Bilge Pump Control. Also includes individual alarm isolate and acknowledge switches to change the bilge high alarm from red flashing alarm state to steady acknowledged state while isolating the local audible alarm and remote alarm output. Also incorporates a dimmer for the normal power on indications plus a common test switch to test all warnings, alarms and indications in sequence.



- * Monitors two bilge compartments, provides central bilge system status display plus pump control for both.
- * Status display includes two sets of -:
 - audible and visual bilge high alarms
 - audible and visual pump on warnings
 - power on and available to the pump
 - independent alarm isol switch & isolated status
 - remote manual pump on control.
- * Status display back illuminated by LED lightbars for instantaneous status recognition.
- * Sealed touch switch controls for greater reliability.
- * Compact sealed enclosure 55 x 99 x 125 mm deep.
- * Plug-in terminals for all wiring on rear. Refer over.

This central bilge alarm monitoring and bilge pump control system monitors two remote WS-1 or WS-96 remote bilge alarm and bilge pump control modules and provides full bilge status displays from both bilge compartments along with central bilge pump, manual control for each bilge compartment.

B4DS01.CDR FRONT

Made with Pride in Australia

WS-2 EXTERNAL CONNECTIONS

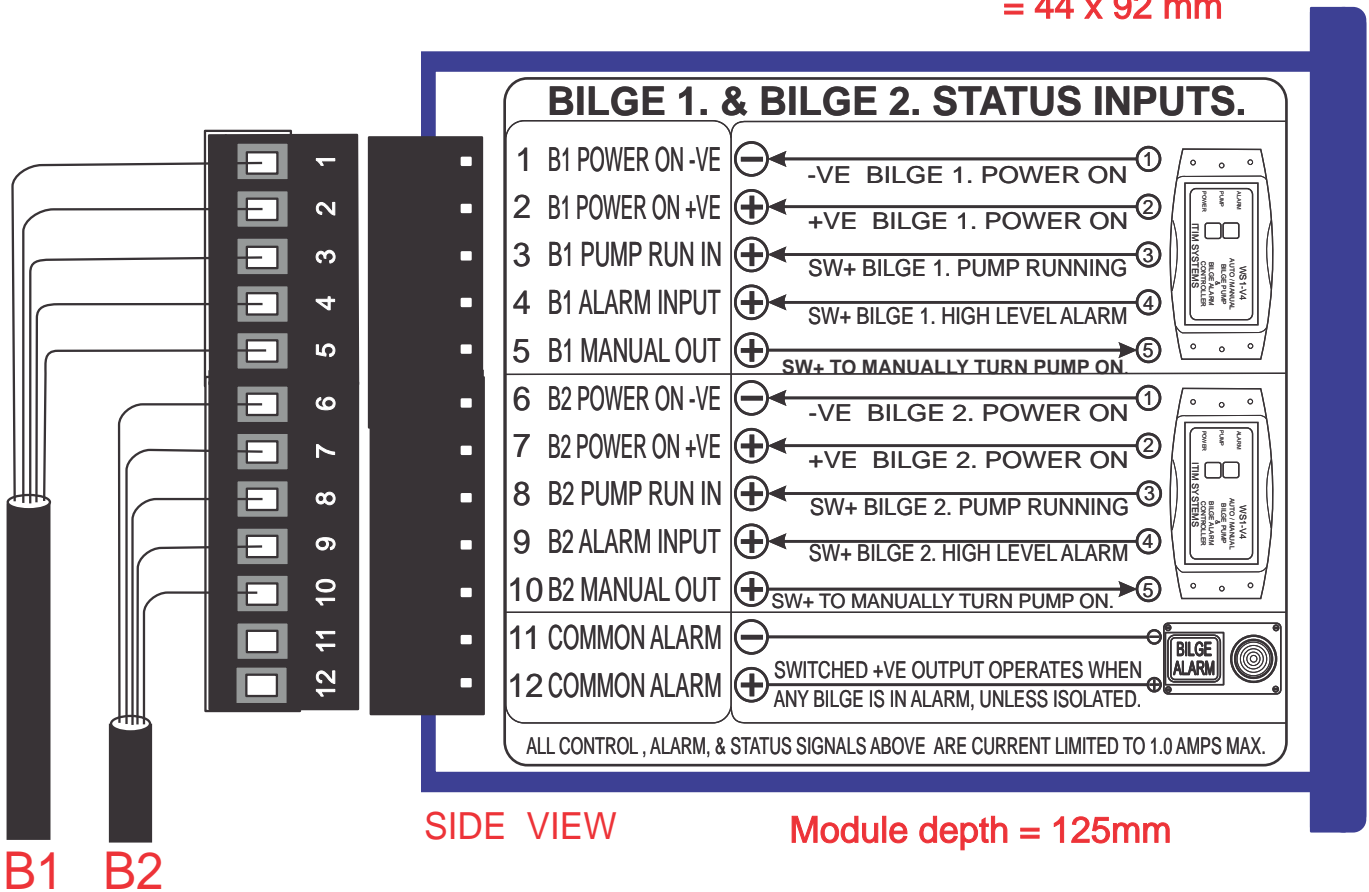
On the rear of the wheelhouse WS2 bilge alarm and bilge pump control module there is a 12 way plug-in terminal for connection of all external wiring circuits.

Terminals 1 - 5 Status display from Port WS1-v4 local bilge controller module.

Terminals 6 - 10 Status display from Stbd WS1-v4 local bilge controller module.

Terminals 11 & 12 remote common bilge alarm relay output.

Dash Cut Out
= 44 x 92 mm



MADE WITH PRIDE IN AUSTRALIA

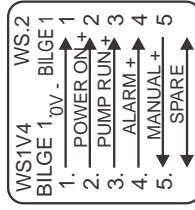
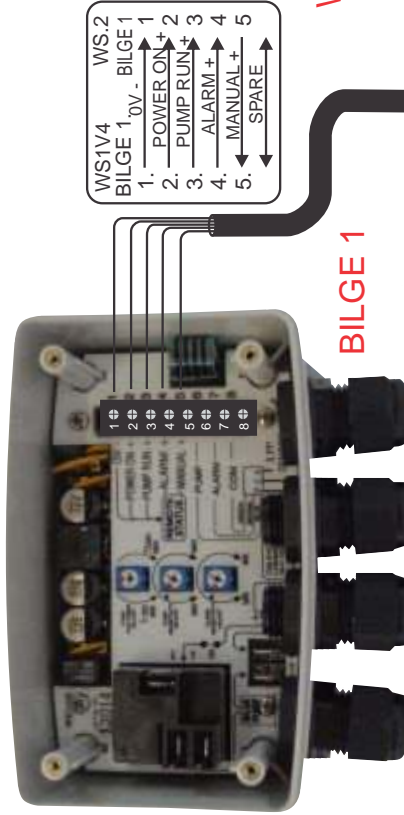
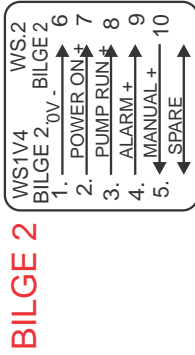
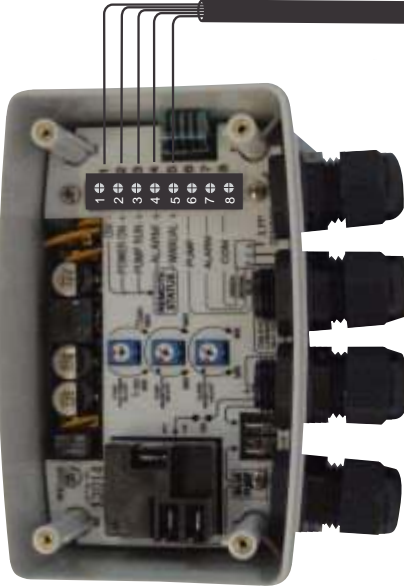
ITIM SYSTEMS
PTY LTD

INNOVATIVE TECHNOLOGY FOR INDUSTRY AND MARINE
UNIT 9/45 Commercial Drive, Shailer Park QLD 4128 AUSTRALIA
ISD + 61 7. PHONE (07) 3356 1276. FAX (07) 3806 4504
<http://www.itim-systems.com> email info@itim-systems.com

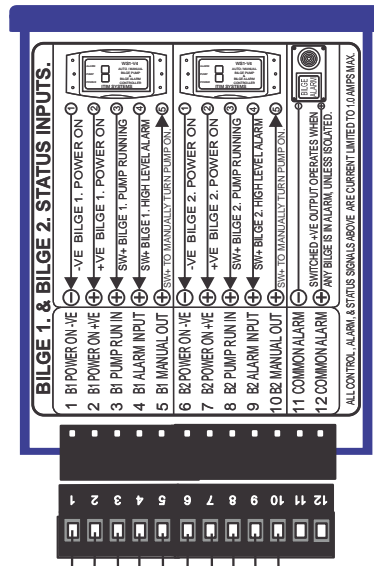
MADE WITH PRIDE IN AUSTRALIA

Available from

WS2-Bilge Controller.CDR WIRE



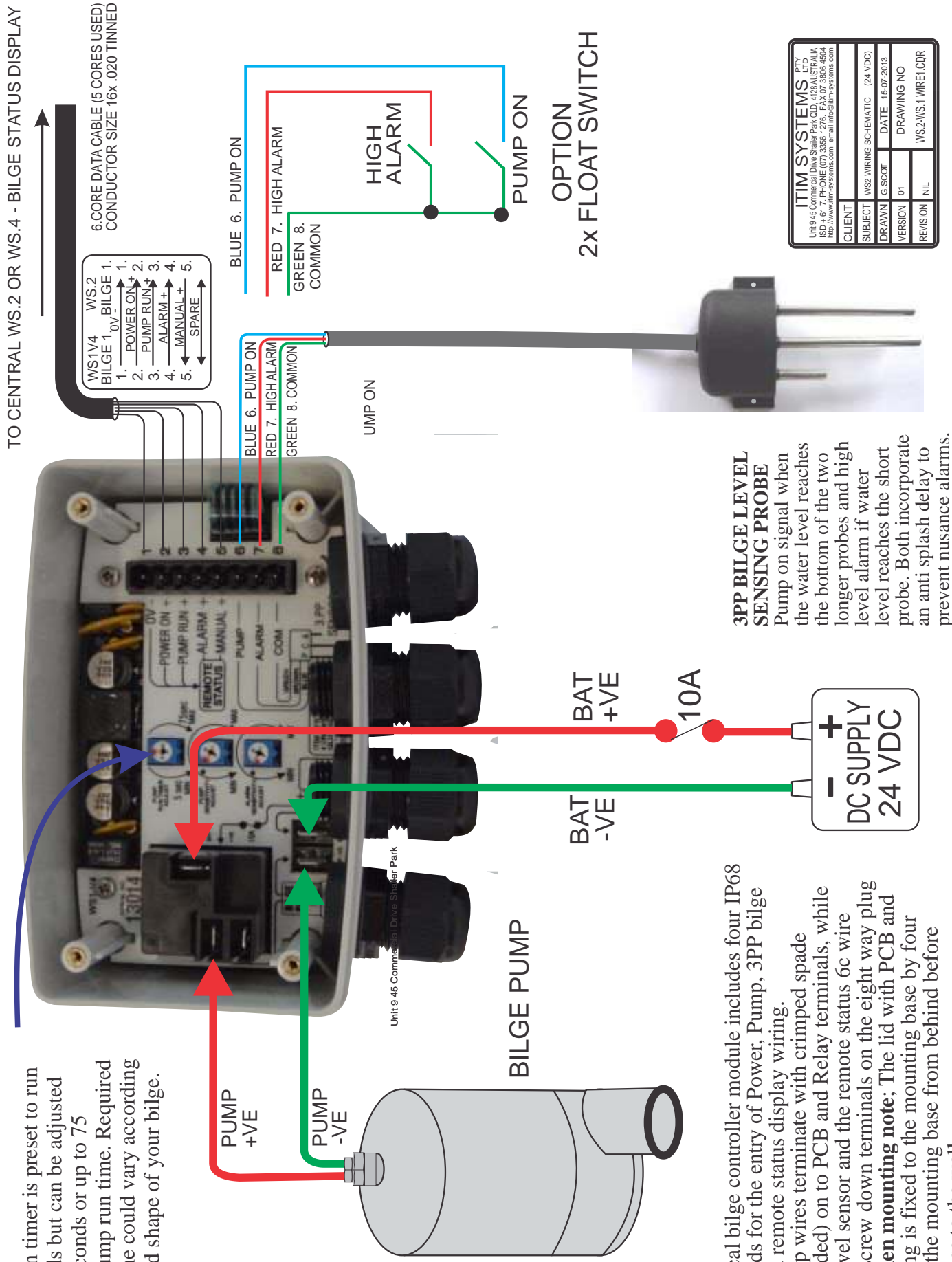
WS.2 BILGE DISPLAY CONTROLLER MOUNTED IN WHEELHOUSE



6-CORE DATA CABLE (5 CORES USED)
1x 6CTO EACH BILGE COMPARTMENT
CONDUCTOR SIZE 16x .020 TINNED

ITIM SYSTEMS		PTY	
Unit 9-45 Commercial Drive, Shailer Park QLD, 4128 AUSTRALIA			
ISD + 61 7 PHONE (07) 3356 1276 FAX (07) 3806 4504			
http://www.itim-systems.com email: info@itim-systems.com			
CLIENT	WS2 WIRING SCHEMATIC (24 VDC)	DATE	15-07-2013
DRAWN	G.SCOTT	VERSION	01
REVISION	NIL	DRAWING NO	WS.2-WS.1 WIRE 1 CDR

The pump run timer is preset to run for 30 seconds but can be adjusted down to 5 seconds or up to 75 seconds of pump run time. Required pump run time could vary according to the size and shape of your bilge.



The WS.1v4 local bilge controller module includes four IP68 rated cable glands for the entry of Power, Pump, 3PP bilge level sensor and remote status display wiring. Power and Pump wires terminate with crimped spade terminals (included) on to PCB and Relay terminals, while the 3PP bilge level sensor and the remote status 6c wire terminate with screw down terminals on the eight way plug in terminal. **When mounting note:** The lid with PCB and terminated wiring is fixed to the mounting base by four screws through the mounting base from behind before mounting the base to the wall.

3PP BILGE LEVEL SENSING PROBE
Pump on signal when the water level reaches the bottom of the two longer probes and high level alarm if water level reaches the short probe. Both incorporate an anti splash delay to prevent nuisance alarms.

ITIM SYSTEMS PTY LTD Unit 9 45 Commercial Drive Shailer Park QLD 4128 AUSTRALIA SD +61 7 PHONE (07) 3586 1276 • FAX (07) 3806 4504 http://www.itim-systems.com.au email: info@itim-systems.com.au	
CLIENT	
SUBJECT	WS2 WIRING SCHEMATIC (24 VDC)
DRAWN	G.SCOOT
VERSION	01
REVISION	NIL
DATE	15-07-2013
DRAWING NO	
WS2-WS.1 WIRE/CDR	