

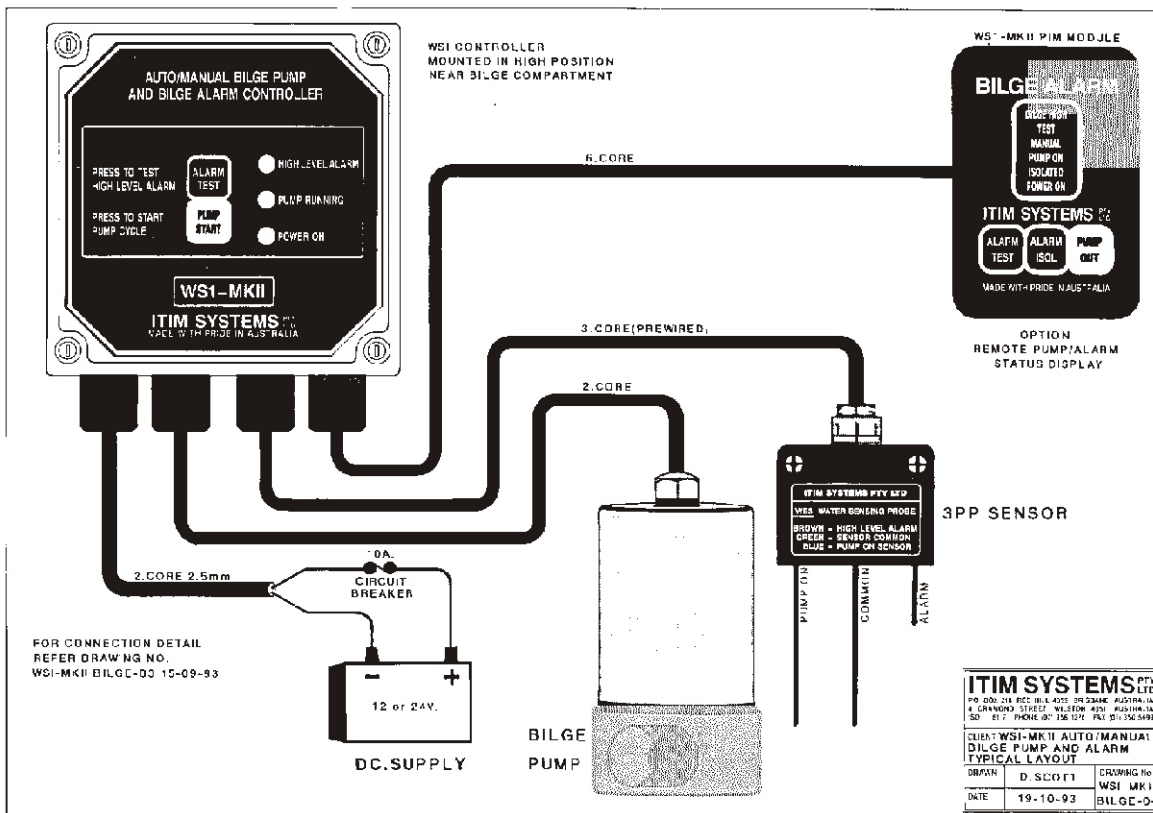
# ITIM SYSTEMS PTY LTD

INNOVATIVE TECHNOLOGY FOR INDUSTRY AND MARINE

## WS1 MKII. BILGE PUMP AND BILGE ALARM CONTROL MODULE

The WS1 MKII Bilge Pump and Bilge Alarm Control system consists of

- A 3PP bilge probe assembly to sense the water level in your bilge
- The WS1 MKII Pump Controller Module, provides local automatic and manual bilge pump out control, high level alarms and system status display.
- An optional WS1 PIM module provides remote status display, pump and alarm control.



### Among its many features the WS1 MKII Pump Controller Module includes

- Automatic bilge pump out control, with 20 amp switching capacity.
- Adjustable pump run timer to adjust compartment pump out time.
- An antispash delay to avoid false pump activation.
- Bilge high level alarm warnings.
- Sensitivity adjustments for pump and alarm control
- Low current AC sensing signal eliminates corrosion or plating problems.
- Local LED status display of power on, pump on and high level alarm.
- Touch switches manually start the bilge pump out cycle and test alarms.
- Provision for remote system status display, alarms and controls.
- 12 or 24 volt DC pump and system power supply with low current draw of 30 mA on standby.
- Includes glanded junction box for all wiring. All terminals and functions identified on the module backplate.
- Simple installation with plug in terminals.

A model option includes an independent, heavy duty, three position (Auto-Off-Manual) rotary manual pump control switch.

An optional WS1 PIM module, for installation in the wheelhouse, provides LED backlit system status display, sealed touch switch, pump and alarm controls, all housed in a compact (66 x 96mm) flush mounted module, with plug in terminals for wiring to the remote WS1 controller.

With this system, your pump life is extended because the compartment is pumped to empty each pump cycle, rather than repeatedly being switched on and off as with a float switch; and with no moving parts to jam or break down, it provides superior bilge pump control.

**MADE WITH PRIDE IN AUSTRALIA**

**BY ITIM SYSTEMS PTY LTD**

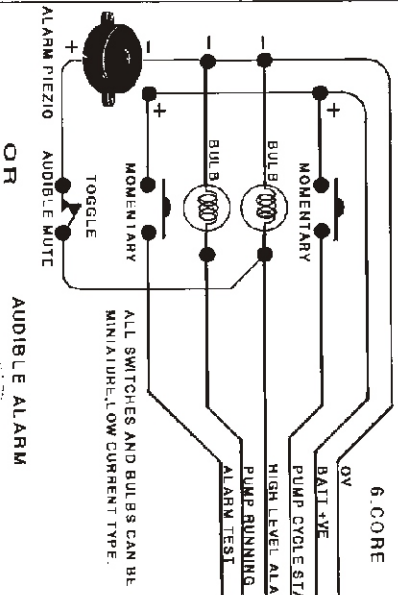
4 CRAMOND ST, WILSTON, QLD AUSTRALIA 4051

PO BOX 218, RED HILL, QLD AUSTRALIA 4059

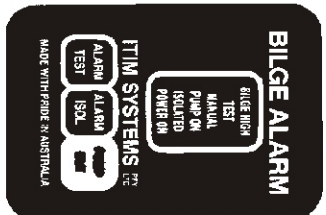
PHONE ISD 61 7 (07) 356 1276

FAX ISD 61 7 (07) 356 5693

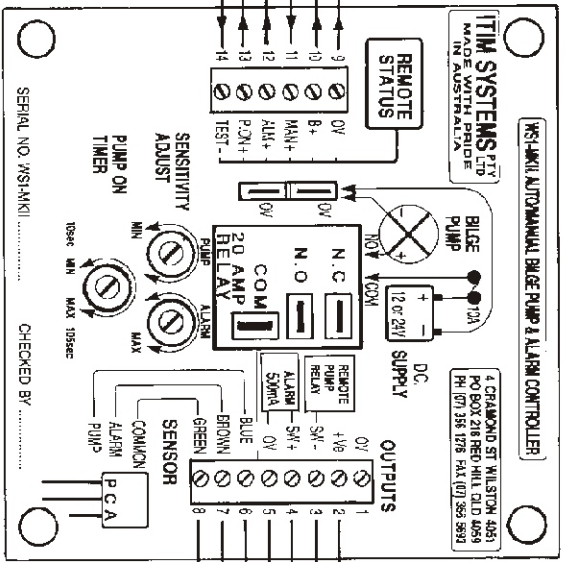
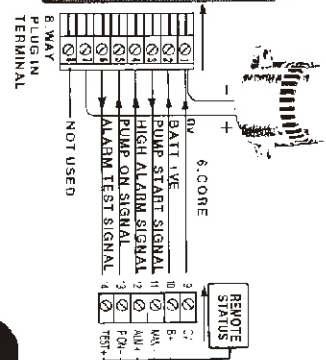
**OPTION USER SUPPLIED SWITCHES AND INDICATORS.**



WS1 P/M MODULE

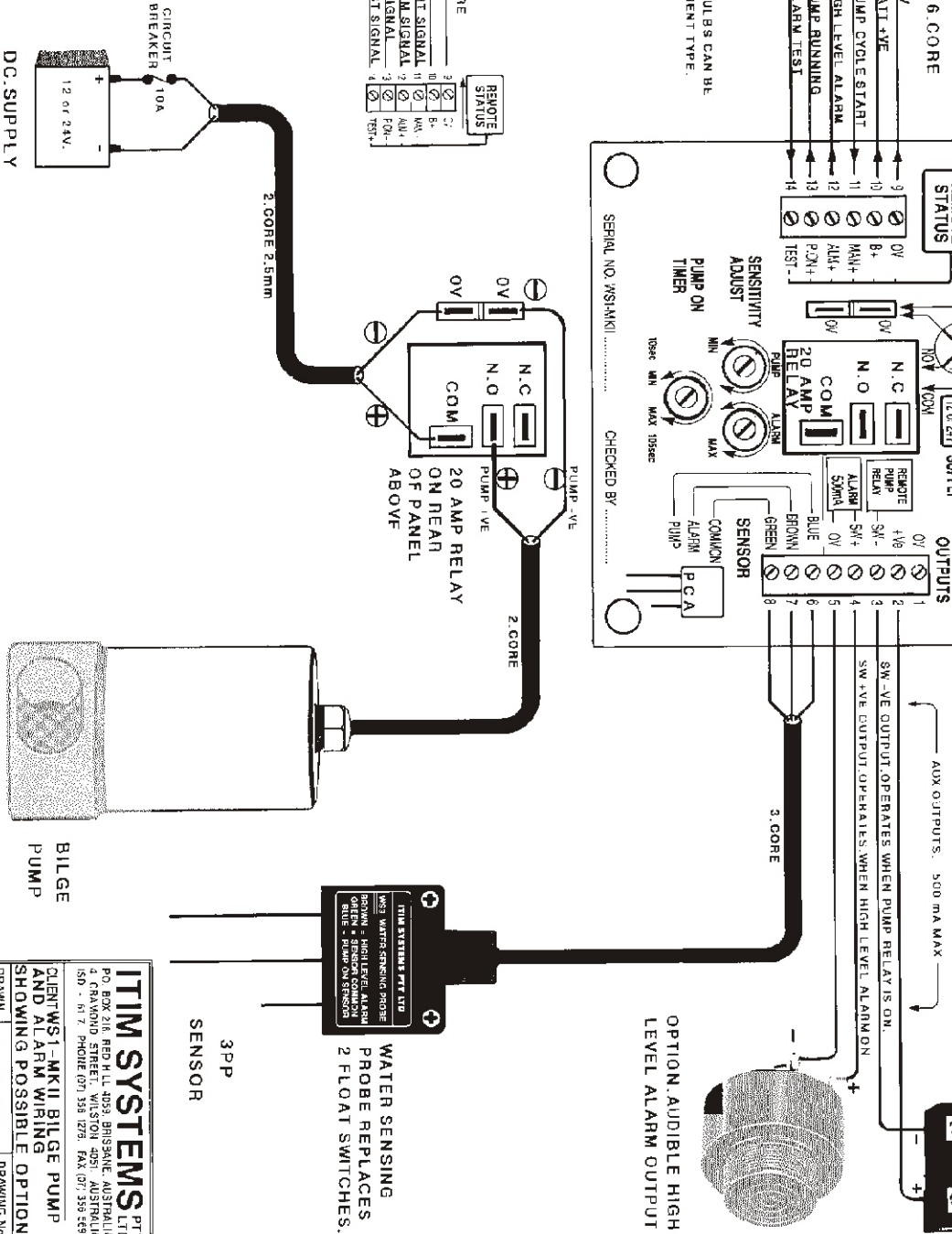


OPTION  
REMOTE PUMP/PALANM  
STATUS DISPLAY



**OPTION: SOLID STATE RELAY TO DRIVE 240 VAC BILGE PUMP**

**OPTION: AUDIBLE HIGH LEVEL ALARM OUTPUT**



**ITIM SYSTEMS PTY LTD**  
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**CLIENTS 1-MK II BILGE PUMP AND ALARM WIRING SHOWING POSSIBLE OPTIONS.**

DRAWN	D. SCOTT	DRAWING NO.	WS1-MKII
DATE	15-09-93		BILGE-03