



## SM302 DUAL SPRAY CONTROLLER INFORMATION BRIEF

Release 1, January 2013

Manufactured in Australia by Alian Electronics Pty. Ltd.  
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also visit [www.alianelectronics.com.au](http://www.alianelectronics.com.au) for other pump control products



N12656



AS3100 ACREDITED  
CS03057V

### GENERAL DESCRIPTION:

In situations where one or two spray valves or pumps, deliver water to a tank or sump that can only discharge at a slow rate, there is always a risk of overflow. The SM302 is designed to treat this problem.

By directing the spray valve or pump control through the SM302, a High Level Alarm sensor can report flood alarms by relay contact, audible alarm, and flashing LED lamp. When a High Level Alarm occurs it will automatically isolate the spray valves until tank levels have fallen.



An adjustable timer (settable between zero and 200 seconds) will provide a 'wait' time after a High Level Alarm. It will inhibit the two output relays until there has been sufficient drain time in the sump tank. This prevents excessive cycling of output sprays & pumps.

Unit will switch 24V or 240V AC loads.

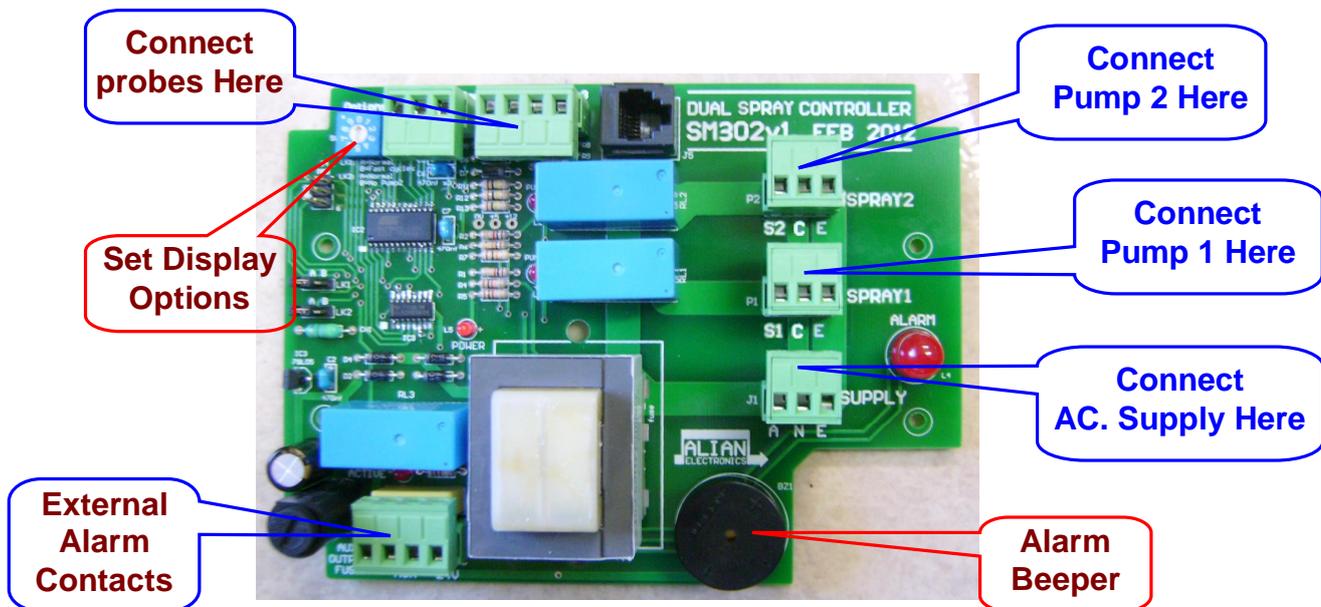
### OTHER FEATURES

The control unit has several presettable options that may be engaged by the installer to suit a range of field installations. A Liquid Crystal Display (LCD) provides additional information about the status and operation of the unit.

An internal Hour Meter may be viewed which tracks the number of hours and minutes that each output has operated since the system was first installed.

Pressing the **Alarm Mute** button will suspend the audible warning for 6 hours.

When any alarm is activated, a relay contact closes and may be used to generate external or remote alarms, suitable for connection to an automatic SMS or paging system.



The SM302 unit features an advanced microprocessor bonded to the backplane within the enclosure. It will support **one or two 24V or 240 VAC solenoids & pumps rated up to 1500 Watts.**

The controller unit is housed in a tough IP66 rated enclosure. Using suitable cable entry glands, cable entry may be effected via the side or rear of the enclosure.

For ease of access, electrical connections are made via high quality unpluggable terminal blocks.



The controller is fully compliant with Australian AS3100 electrical safety standards (CS03057V) and with Electromagnetic Compatibility, EMC standards. (C-tick no. N12656)

A small rotary switch on the controller backplane (shown left) may be rotated to one of ten positions to engage various display and functional test options.

A full electronic 'Hourmeter' is standard with each controller. It records hours of operation for each pump since the system was first installed. The hour meter data is stored indefinitely in a special memory which requires no backup battery.



The enclosure size is 125mm high, 165mm wide and 75mm deep.

#### *Other Pump control products:*

- SM96 heavy duty single phase pump control for waste water tanks and sumps
- SM99 Small-medium sized single phase pump control for tanks and sumps
- SM199 Small-medium sized single phase Dual Pump control for tanks and sumps
- SM256 Small-medium sized Dual Pump control for tanks and sumps with LCD display
- SM268 Small-medium sized single phase Dual Pump control for recirculating pumps
- SM202 High Level alarm using conductivity probes or float switches

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