

# S I m A G

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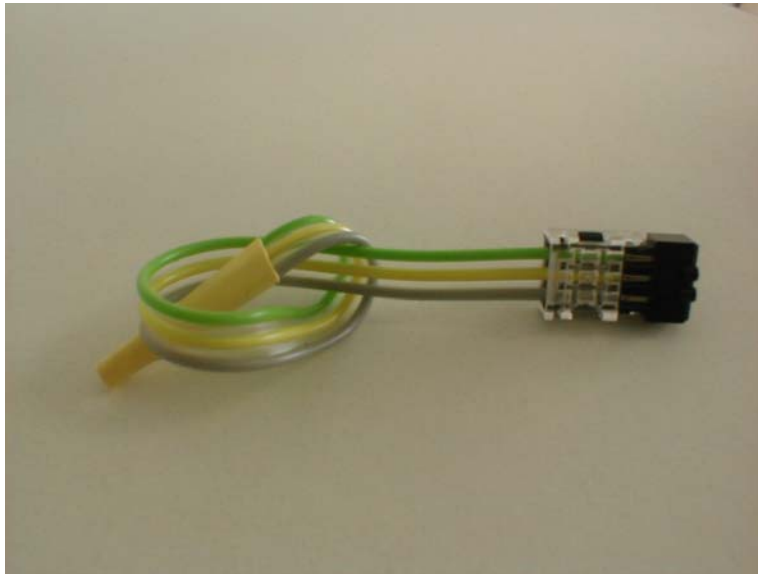
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## SERVICE BULLETIN – 01/DECEMBER 2005

### SV SERIES

### TESTING CABLE

We would like to inform you that a **Testing Cable**, to test the operation of the current version on SV Series, is available under Part Number **CM 29015064**.



With this simple cable, installed directly to the Jumper J1 of the PC Board, it is possible to make a diagnosis of the correct operation of the probes as well as of the entire Ice Machine as detailed on the attached instructions.

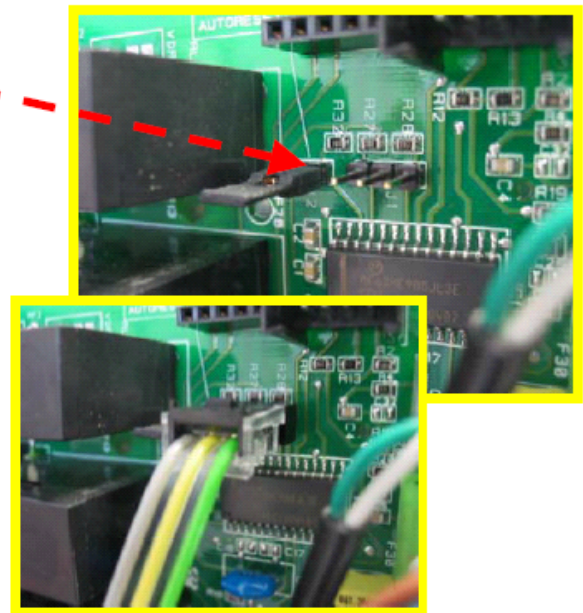
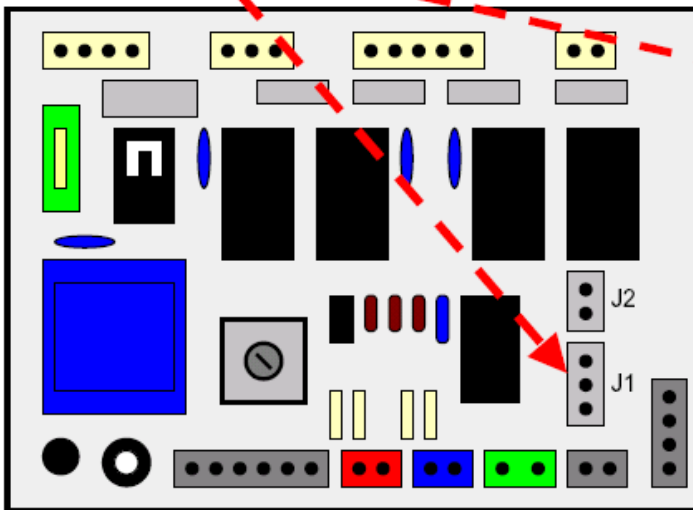
# SIMMAG

## ICE MACHINES

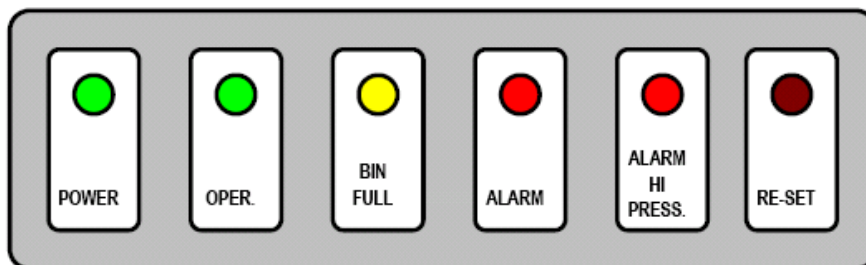
### SV SERIES

### TESTING CABLE USE

1. Turn the unit OFF
2. Drain water from water reservoir till the two metal plates of the water level sensor are no longer in contact with water
3. Plug "testing cable" to its male socket "J1" with transparent plug cover facing down



4. Turn the unit ON
5. All LEDs **blink** together with machine in stand by mode



6. If any sensor/switch is in trouble/out of order the monitoring panel will inform as per below table:

	LED 1 POWER	LED 2 OPERATION	LED 3 BIN FULL	LED 4 ALARM	LED 5 HI PRESS. ALARM
Probe temperature error				ON	ON
Ice thickness sensor error	FAST BLINK			ON	ON
Water level sensor error		FAST BLINK		ON	ON
Magnetic switch error			FAST BLINK	ON	ON
RESET push button error	FAST BLINK	FAST BLINK	FAST BLINK	ON	ON
Too hi discharge pressure error					ON

## UNIT OPERATION TESTING

With testing cable plugged **IN** and all LEDs blinking together, **PUSH** Reset Button for a while then following phases automatically take place:

- ❑ **Water dumping**
  - 1<sup>ST</sup> GREEN LED (POWER) ON steady and 2<sup>ND</sup> GREEN LED (OPERATION) blink
  - Water pump ON
  - Drain valve ON
- ❑ **Water filling**
  - 3<sup>RD</sup> YELLOW LED (BIN FULL) ON steady
  - Water inlet valve ON
  - Water pump OFF (ON after 20")
  - Compressor ON
- ❑ **Freezing Cycle**
  - Both 2<sup>ND</sup> GREEN LED (OPERATION) and 3<sup>RD</sup> YELLOW LED (BIN FULL) ON steady (1<sup>ST</sup> LED - POWER - blinks when circuit is shorted between the two metal plates of the Ice Thickness Sensor)
  - Water pump ON
  - Compressor ON

In case during one of the above listed phases any trouble occurred due to wrong operation and/or sensors/switches trouble, the machine stops with glowing of the LED's as per here below chart:

	LED 1 POWER	LED 2 OPERATION	LED 3 BIN FULL	LED 4 ALARM	LED 5 HI PRESS. ALARM
Probe temperature error				ON	ON
Water level sensor error				SLOW BLINK	SLOW BLINK
Too hi condenser temp error				SLOW BLINK	
Too long freezing cycle				ON	SLOW BLINK
Too long defrost cycle				ON	FAST BLINK
Too hi discharge pressure error					ON

Once 4 full testing cycles are completed without report any failure, all LEDs glow together with machine OFF.

# SIMAG

ICE MACHINES

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