ICEMATIC

CYCLIC TIMER

Ver.01

NEWICEMATIC01-01T-11858

1. DESCRIPTION

Icematic is a cyclic timer configurable through its setting keys which allow you to set up to 12 hours output ON and 60 minutes output OFF. Its user-friendly interface accurately displays the configuration through a set of LEDs. The panel also includes a key for manual inversion of output relay state. Its new design allows DIN rail mounting or screw fixing.
It has protection when powered by connecting the output only after 2 minutes, during which time the LED status indicator NO (normally open) will flash.

2. APPLICATION

ICEMATIC can be used to time any kind of cyclic event, such as controlling defrosting and refrigeration cycles in frigorific chambers/counters, or activating lamps, air conditioners and other appliances. When used for irrigating it controls the activation of water circulation pumps or a hydraulic solenoid valve.

3. SPECIFICATIONS

-Power Supply: 115 or 230Vac ± 15% (50/60Hz)
-Accuracy: ±2%
-Output ON time: 1 to 12 hours in 1-hour increment
-Output OFF time: 5 to 60 minutes in 5-minute increments
-Max. Current: 16(8) A / 250Vac 1HP
-Dimensions (WxDxH): 77 x 39 x 97mm (approx. 3.03 x 1.53 x 3.82 inches)

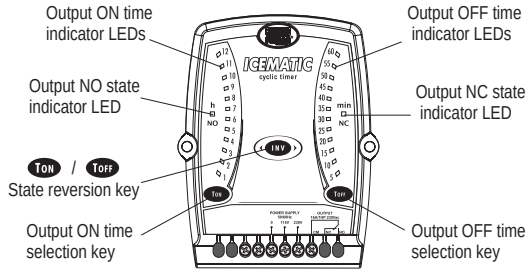
4. SETTINGS

4.1 Output ON time setting
Press the TON key for 3 seconds. The Output ON Time indicator LED starts blinking. Set the desired time through the same key. The new setting is configured when the LED stops blinking.

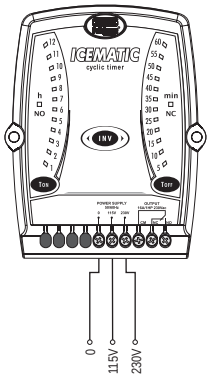
4.2 Output OFF time setting
Press the TOFF key for 3 seconds. The Output OFF Time indicator LED starts blinking. Set the desired time through the same key. The new setting is configured when the LED stops blinking.

4.3 Output ON/OFF reversion
Use the INV key to manually select the output mode. After starting the Output OFF mode, if the INV key is pressed inside 2 minutes the NO (Normally Open) state indicator LED starts blinking and the output is turned ON only after this time is elapsed.

5. DISPLAY IDENTIFICATION AND CONTROL BUTTONS



6. WIRING DIAGRAM

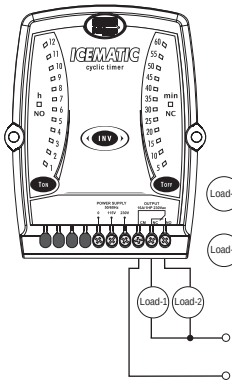


Power supply

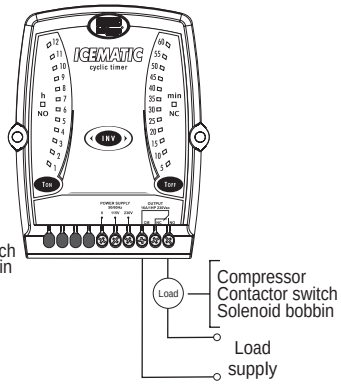
5 - 6	115V
5 - 7	230V

7. LOAD CONNECTION

7.1 For controlling refrigeration and defrosting times.

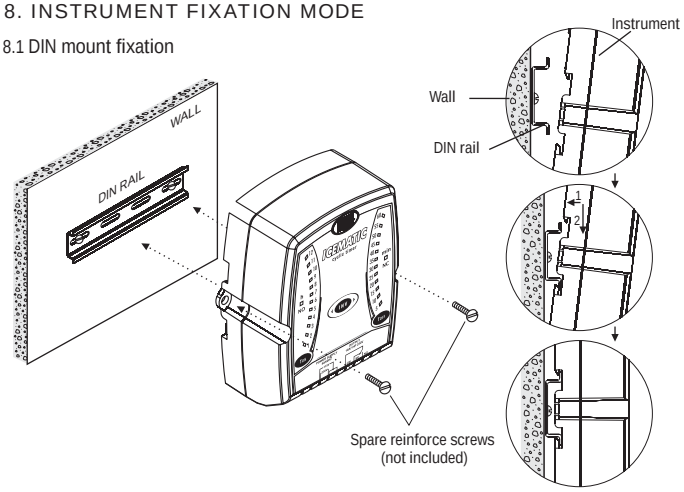


7.2 For controlling swimming pools, exhaust, tunnels or irrigation

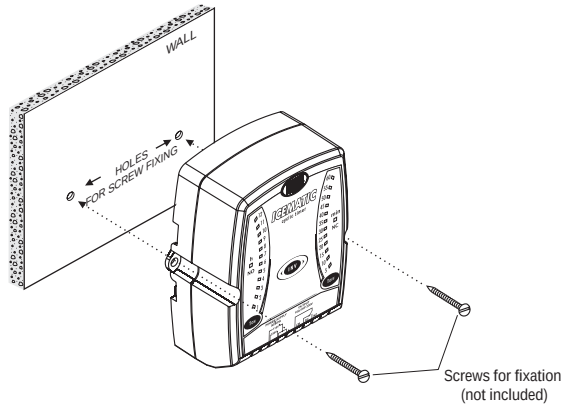


8. INSTRUMENT FIXATION MODE

8.1 DIN mount fixation

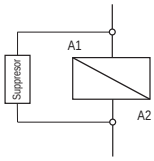


8.2 Screw fixation (wall-mounted)



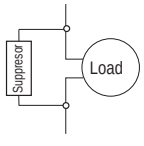
IMPORTANT
As chapters of IEC 60364 norm:
1: Install protectors against overloads on power supply.
2: Sensor cables and computer signs can be together, however not in the same conduction; where there power supply and load drive.
3: Install suppresors (RC filters) in parallel to loads to increase the relays function.

Wiring diagram of suppresor in contactors



A1 and A2 are the contactor coil.

Wiring diagram of suppresor linking in loads direct drive



For direct activation the maximum specified current should be taken into consideration.