

# TOWERTECH

## PROPORTIONAL TIMER CONTROLLERS

### TOWERTECH 1001

The controller provides two timed outputs for bleed & dose control on cooling towers, both output times are adjustable and override switches with integral led are mounted on the front of the controller, indication of pulse signal from the water meter is confirmed through the red LED mounted.



### TOWERTECH 1000

The controller has a single timed output suitable for bleed control or dosing of chemicals on many water treatment applications, the output time is adjustable and a override switch with integral red led is mounted on the front of the controller.



The TowerTech range of controllers has been designed to give an effective yet simple control of total dissolved solids (TDS) & scale inhibitor dosing on water treatment systems. Both can operate on either proportional basis or alternatively through the internal timer within the PCB circuit.

The controllers have independent time outputs to enable the water treatment system process to be set up to the desired program, the flow meter pulses the controller to the preset pulse count which triggers the first time output (normally bleed valve) on the completion of the preset time the second output time starts the chemical dosing pump until the preset time ceases.

There are two output time modes that can be selected from 0.5 sec's to 30 minutes giving plenty of flexibility on each output, a water meter LED indication confirms pulses received into the controller and flow through the water system.

In the event that a water meter signal isn't available both controllers can be set to run off the internal timer, therefore setting of the time program is the same only that pulses received count changes to one minute increments.

The controllers are housed in an IP66 polycarbonate enclosure with a clear lid provided as standard.

These operating instructions are intended to assist the installation and set-up of the following controllers: **Towertech 1000 & 1001 controllers, ESI 1000 & 1001.**

The Towertech range has the time adjustment feature to the front of the controller leaving selection of the time range output on the PCB itself. The water meter signal is also indicated through the LED mounted on the fascia, Over-ride switches are provided to enable tests to be carried out on the equipment connected to the controller.

The ESI range of controllers has installed exactly the same PCB as the above controller, however the time adjustments are located on the PCB itself. Leaving just the over-ride switch, and Led indications on the fascia.

**TOWERTECH 1000  
CONTROLLER**



**ESI 1001  
CONTROLLER**



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FOR MORE INFORMATION CONTACT BEACON WATER TREATMENTS LTD  
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