

# TANKTRONIC

## FOR MONITORING AND FILLING OF WATER STORAGE TANKS

Tanktronic is an electronic tank management system which provides a simple solution to monitoring water levels and temperature and can also manage and control tank filling and is capable of feeding all this information back to your Building Management System. The user-friendly system, which is quick to install, offers a complete cost-effective solution to water monitoring.

- Reports and controls the water level
- Reports temperature
- Controls the filling of multiple tanks
- Intuitive user interface
- Remote alarms



# OPERATION

Pressure and thermal readings from a continuously submersed sensor are shown on a user-friendly interface, informing the user of the water level and temperature. If the installation includes a control valve, Tanktronic will manage the filling of the tank when the water reaches a default or user-defined fill level.

Alarms will inform the user if the water level or temperature reaches the high or low warning levels.



# PRODUCT DESCRIPTION

Tanktronic is made up of three core parts; the main control box, the pressure and temperature sensor and, when tank filling is required, a control valve.

The Tanktronic main control unit can manage up to two sensors and valves. Where further tanks are to be regulated, subsidiary modules can be added to the main control unit to facilitate such operation. Each individual unit can manage up to two tanks.

A battery back-up unit can be attached to the main control box to maintain power to Tanktronic in the event of interruption to the mains supply.

Tanktronic's main control unit and subsidiary modules can control:

- Single tanks with separate valves.
- Twin tanks with common valves.
- Twin tanks with separate valves.
- Multiple tanks each with separate valves.

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# FUNCTIONALITY OPTIONS

## Tanktronic and Keraflo delayed action float valves

Tanktronic can be used in conjunction with a standard Keraflo delayed action float valve, either as a retro-fit or as part of a new installation. This solution provides monitoring functionality and alarms and the benefits of variable delayed action filling. A control valve can be fitted as an optional backup system to control the incoming supply in the unlikely event of float valve failure.

## Tanktronic and electromechanical solenoid valves

The system can be used to manage tank filling by using a control valve. When the water level reaches the pre-set high (Close Level) or low (Open Level) levels designated by the customer, a signal will be sent to close or open the valve(s) accordingly. The difference between the Close Level and Open Level maintains delayed action filling and gives maximum turnover rate.

## Tanktronic and standard equilibrium valves

Tanktronic can be used in conjunction with a standard equilibrium valve, either as a retro-fit or as part of a new installation. This offers monitoring functionality and alarms. An electronic solenoid valve could also be fitted as an optional backup valve for shutting the incoming supply in the event of float valve failure.

### Part Supplied As Standard

- Main control unit including power supply
- Sensor assembly and bung
- Fixings
  - a. 4 x no.6 screws for mounting main control unit
  - b. 4 x no.4 screws for mounting vent box
  - c. Rawlplugs
  - d. Self-adhesive pads
  - e. 4 x floating washers

### Optional Parts

- Control valve assembly
- Compression or flanged fittings
- Battery back-up module