

8 Channel Tank Controller TC-8000



Monitor and Control up to 8 tanks from one location.

The TC-8000 Controller provides an intelligent networked solution for the monitoring and control of up to eight tanks. The diagram (below) shows a typical system layout. The system consists of the TC-8000 display controller (as seen above) up to eight HB-200 or HB-200/P tank controllers and any number of optional RD-800 repeater displays communicating via a 2-wire network cable with a maximum cable length of 1000 metres.

TC-8000 DISPLAY CONTROLLER:

Is a powerful tank monitor and control system.

- Full control from one central location on your boat.
- Visual indication of tank level, seacock position and pump status.
- Turn holding tank macerator pump on/off manually or automatically.
- Turn water maker on/off manually or automatically.
- Visual and audible tank full and fault alarms.
- Three modes of operation: manual, auto grey or auto all.
- Mode change is key switch selectable.
- Displays in litres or gallons and percentage.
- Two display modes available (*see right*).
- All tanks are name programmable giving tank location and type, e.g. Aft Port, Grey Tank.

HB-200 or HB-200/P:

Is a controller which manages the tank pump, the electric seacock, tank high output and provides an input for the fluid level sensor.

- Teach-in for level sensor with four-point interpolation for irregular shaped tanks.
- Controls the pump and provides the input for the level sensor.
- Reversed output for tanks programmed as either fresh water or fuel, enabling water maker or fuel transfer pumps to turn on when empty and off when full.
- Tank high level output which can be connected to the toilet controller, which disables the toilet when the holding tank is full.
- Interface to seacock interlock switch.
- Internal pump on/off override switch for tank servicing and cleaning.
 - HB-200/P features level sensor, tank high output and pump.
 - HB-200 features level sensor and tank high output.

RD-800:

Repeater Display (optional extra).

- Connect any number of these to allow convenient tank monitoring from anywhere on the vessel.



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EIGHT CHANNEL HOLDING TANK CONTROLLER SYSTEM LAYOUT FOR MODEL TC-8000

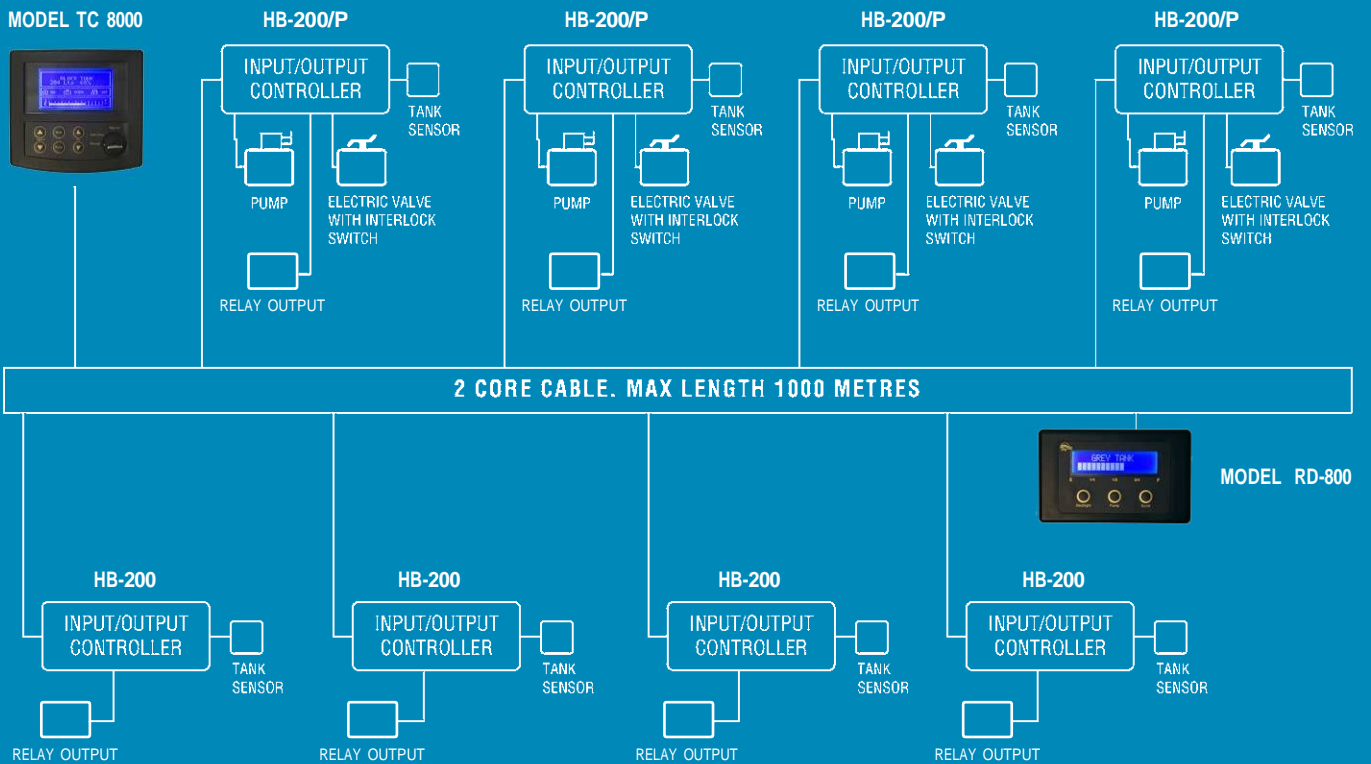
Any device can sit anywhere on this two core BUS cable. Any combination of HB-200 and/or HB-200/P (up to eight) can be connected plus, any number of repeater displays (model RD-800).

NOTE: The HB-200/P has the pump and valve option while the HB-200 does not.

DISPLAY MODES: 1



2



Supply Voltage: 12 - 32 Volts DC (Auto sensing) | Quiescent Current: 5 Milliamps (without backlight)
 Backlight | Reverse polarity protected | Network cable length=1000m | Voltage & EMI Protected
 Data Retention: 50 years (without power)