

4 Channel Tank Monitor TM-4000



Monitor and control up to 4 tanks from one location.

The **TM-4000 Controller** provides an intelligent networked solution for the monitoring and control of up to four tanks. The diagram (below) shows a typical system layout. The system consists of the TM-4000 display controller (as seen above) up to four HB-200 or HB-200/P tank controllers and any number of optional RM-400 repeater displays communicating via a 2-wire network cable with a maximum cable length of 1000 metres.

TM-4000 DISPLAY CONTROLLER:

Is a powerful tank monitor and control system.

- Full control from one central location on your boat.
- Visual indication of tank level and pump status.
- Turn holding tank macerator pump on/off manually.
- Turn water maker on/off manually or automatically.
- Visual and audible tank full and fault alarms.
- Displays in Litres or Gallons and Percentage.
- 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, 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.
- Internal pump on/off override switch for tank servicing and cleaning.
 - HB-200/P features level sensor, tank high output, pump and control.
 - HB-200 features level sensor and tank high output.

RM-400:

Repeater Display (optional extra).

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

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



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FOUR CHANNEL TANK MONITOR SYSTEM LAYOUT FOR MODEL TM-4000

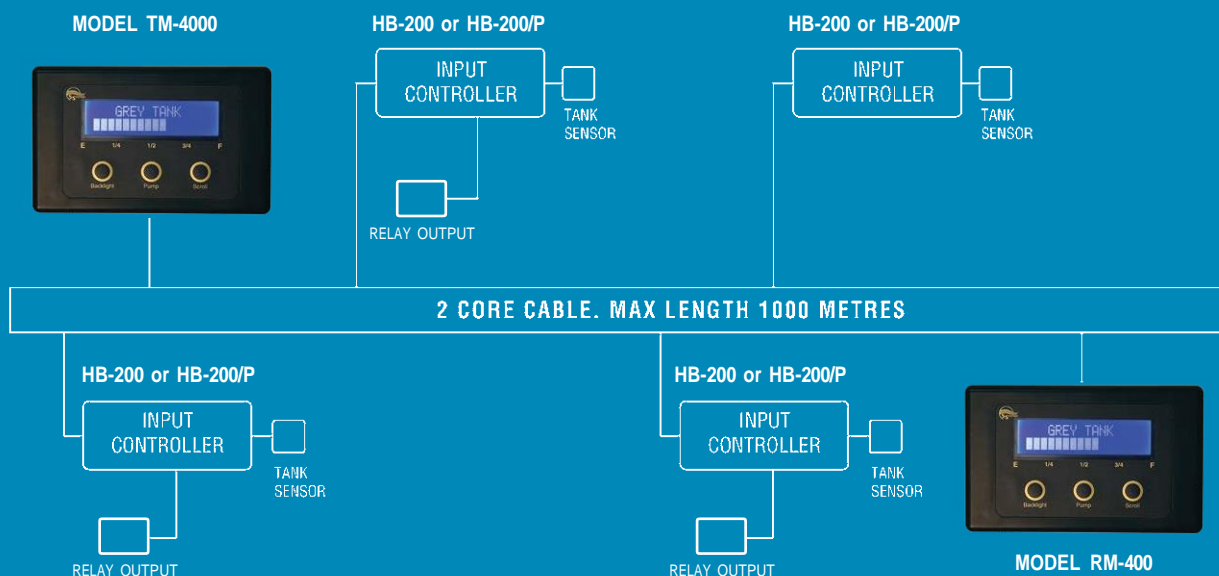
Any device can sit anywhere on this two core BUS cable. Any combination of HB-200/P and or HB-200 (up to four) can be connected plus, any number of repeater displays (model RM-400).

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

DISPLAY MODES: 1



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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)