Resource Data Management

Intuitive TDB Controller Switchover

Intelligent, simple, and accessible control

The new Intuitive TDB Controller introduces a range of enhanced features including an extended temperature range, front-facing USB port, dual Ethernet ports, four PWM outputs and an optional built-in colour LCD. All of which are designed to increase the flexibility of the controller, simplify the install and set-up process, while also reducing installation costs.
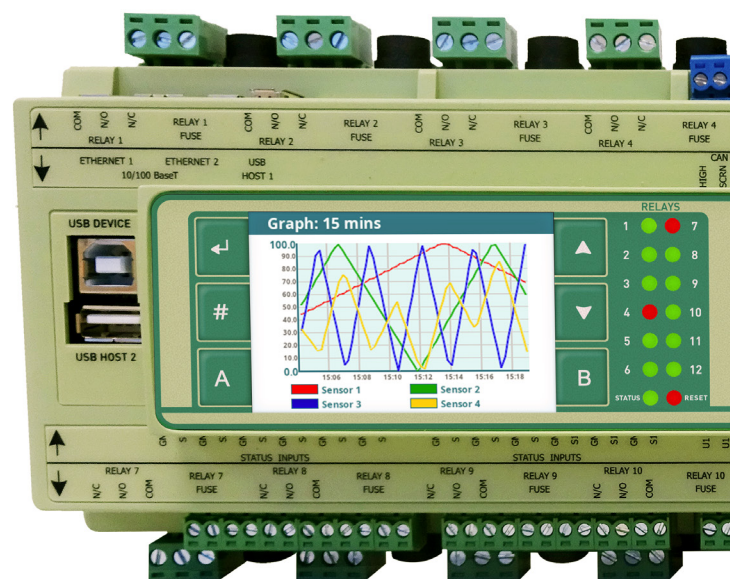
Our new hardware is compatible with all preceding models, using an identical plastic enclosure with core inputs and outputs that are the same size and located in the same position. Allowing for replacements and retrofits to be carried out with ease.

As one of the most advanced PLC controllers on the market, the new Intuitive TDB Controller will be available for the same low cost as previous models and will replace all preceding controllers.

Hardware Improvements

RAM is four times larger, the flash storage has increased sixteen-fold and the processing power has doubled. The new controller provides users with a faster experience, increased storage and additional user interfaces.

- Temperature range has been extended by 35°C , from -10°C to -40°C (-14°F to -40°F) and the higher range increased from 60°C to 65°C (140°F to 149°F).

- Optional built-in colour LCD, allows for values, graphs, gauges and additional mimics to be displayed.

- Four new PWM analogue outputs have been included. Enabling the controller to support high frequency signals within control scenarios e.g. intelligent variable speed fans.

- Front facing USB host has been added, supplementing the existing port on top of the controller.

- Limited power from a USB connection on a PC or laptop can now be used during the installation and set-up of the controller, negating the need for a dedicated 24vAC/DC supply.

Software Enhancements

Displaying the same familiar interface, but with new improved features, our new controller eliminates the immediate need for any further training for experienced users.
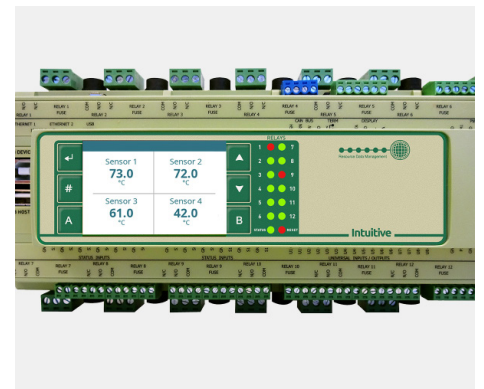
• New set up menus allow for configuration of the front LCD screen.

• New layout menu permits up to six screens with four values on each to be visible on the LCD.

• New intuitive display block gives users the ability to specify screens shown on the LCD.

Networking & Communication Options

• USB network cards, give the ability of device communication over Wi-Fi.

• Additional Ethernet port has been built in. Dual ports act as a switch, using the same IP address and reducing the need for third part network switches.

Accessories

• New Intuitive TDB Controllers will support existing accessories apart from the wireless mesh.

Ordering guide

To order the correct hardware options for an Intuitive TDB Controller, the following part number descriptions should be followed:

Intuitive TDB - PR0650 X Y TDB

X Options	Display
CD	Integral Display
Blank	No Display
Y Options	Fuse
NF	Non-Fused
Blank	Fused Relays and Supply

Example

To order a non-fused Intuitive TDB with internal display the part number would be:

PR0650CD NF TDB

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5YR 5 Year Warranty

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Intuitive TDB Controller Comparison

Feature	Previous Hardware	New Hardware
Temperature Range	-10°C to 60°C (14°F to 140°F)	-40°C to 65°C (-40°F to 149°F)
Display	Analogue display	Optional graphical colour LCD display (320x240)
PWM analogue outputs	0	4
USB host	1 Topside	1 Topside 1 Front-facing
Ethernet ports	1	2
Power source for set-up and installation	24vAC/DC supply required	24vAC/DC supply or PC /laptop can provide limited power to the controller

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