

Description

Ultima ® is the most powerful building block in our custom control range. With its unique structure and abilities it can be the framework for any of your control or process needs.

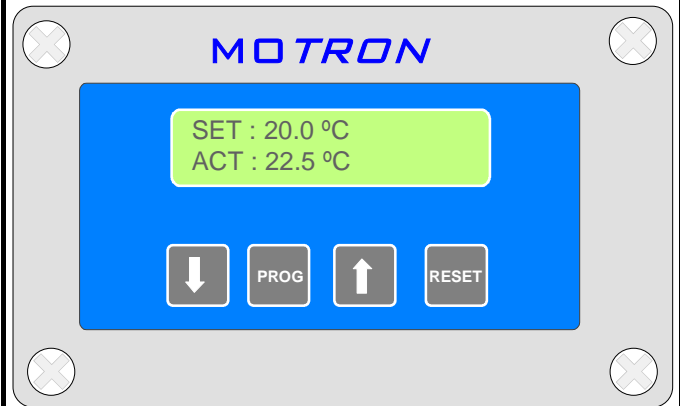
Ultima ® is a PCB solution with a built in microcontroller, 2x16 character display , 4 keys for operation and programming, realtime clockwith battery backup, 256 kbit EEPROM for data, 10 bit analogue input and output etc etc.

Ultima ® The Mother PCB remains the same, only parts of the software and the daughter PCB need to be defined from application to application, thus significantly reducing your time to market.

Ultima ® can also be configured as a "sandwich" construction, with the daughter PCB mounted directly together with the control PCB. Enabling for a compact and neat solution for easy mounting.

Picture

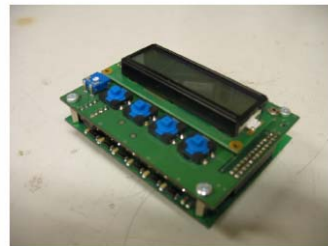
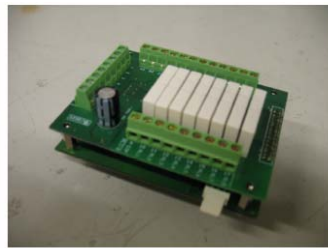
Keypad and logo example



Technical data

- 5V or 24V supply
- Max 40mA current draw
- PIC 18F4620 Controller
- 256 kbit EEPROM
- Realtime clock with Litium backup battery
- 10 bit AD/DA
- 2x16 character display
- Led back light for display (dimnable)
- 4 keys for user input
- Ribbon cable for:
 - I2C master/slave
 - RS232 5V
 - Capture/compare
 - PWM 10 bit
 - SPI
 - Interrupt
 - 10 bit A/D
 - 10 bit DA

Sandwich example



Ultima daughter PCB examples

- RF TX/RX/Transceiver 433/866 MHz
- I2C buffer max 100m
- 16 relay outputs no/nc or else
- 16 digital inputs pnp/npn or else
- 16 analog inputs 10 bit 0-10V or else
- 16 analog outputs 10 bit 0-10V or else
- RS485 drivers
- RS232C drives
- USB interface
- IrDA interface
- Bluetooth interface (ask)
- PTC/NTC temp sensor interface
- Pressure sensor interface
- Humidity (intelligent) sensor interface
- PWM motor Control interface
- ANY INTERFACE YOU WANT !

Example configuration:

