

Controllers

BTC-9300 Digital controller



- ◆ Autotuning controller with fuzzy logic + PID processing.
- ◆ Hi-speed processor: 10 samples per second.
- ◆ Configurable input: Thermocouple, RTD, mA, mV.
- ◆ Output: mA, mV, SSR drive, Relay.
- ◆ Remote setting of 4~20mA.
- ◆ Timer function and ramp rate function.
- ◆ High and low alarms. Heating/cooling control.
- ◆ Power supply: 90~264Vac.
- ◆ RS485 or 4~20mA retransmission.
- ◆ 4 digit display.
- ◆ IP65 front panel.
- ◆ Built in pressure/pump control algorithm.

| MODEL | SIZE | BASE PRICE |
|------------------------------|----------|------------------|
| BTC-9300 | 48 x 48 | \$420.00 |
| Options | | Add Price |
| Retransmission | 4~20mA | \$95.00 |
| Comms | | \$95.00 |
| Low Volt Power Supply | 11~26Vdc | \$60.00 |

BTC-C21/C91 Low Cost Digital controller



- ◆ Autotuning controller with fuzzy logic + PID processing.
- ◆ Configurable input: Thermocouple or RTD.
- ◆ Outputs: mA, SSR drive, Relay (Please specify when ordering).
- ◆ Selectable alarm modes.
- ◆ 1 alarm relay.
- ◆ Power supply: 90~240Vac.
- ◆ Soft start ramp and dwell timer.
- ◆ 4 digit display.
- ◆ IP65 front panel C21. IP30 front panel C91.

| MODEL | SIZE | PRICE |
|----------------|---------|----------|
| BTC-C21 | 48 x 24 | \$235.00 |
| BTC-C91 | 48 x 48 | \$235.00 |

L91 Limit controller

The limit control **Limitrol L91** is an over temperature protection or a high limit safety device with a latching output for shutting down the power in an abnormal condition.

- ◆ High limit, low limit and high/low limit control, programmable.
- ◆ Input: Thermocouple, RTD, mV, mA, available.
- ◆ Output: SSR drive, Relay.
- ◆ Sensor break detection.
- ◆ IP30 front panel.



| MODEL | SIZE | PRICE |
|------------|---------|----------|
| L91 | 48 x 48 | \$220.00 |

BTC-4300

Digital controller

- ◆ Autotuning controller with fuzzy logic + PID processing.
- ◆ Hi-speed processor: 10 samples per second.
- ◆ Configurable input: Thermocouple, RTD, mA, mV.
- ◆ Output: mA, mV, SSR drive, Relay.
- ◆ Remote setting of 4~20mA.
- ◆ Timer function and ramp rate function.
- ◆ High and low alarms. Heating/cooling control.
- ◆ RS485 or 4~20mA retransmission.
- ◆ 4 digit display.
- ◆ IP65 front panel.
- ◆ Built in pressure/pump control algorithm.



| MODEL | SIZE | BASE PRICE |
|-----------------------|---------|------------------|
| BTC-4300 | 96 x 96 | \$530.00 |
| Options | | Add Price |
| Retransmission | 4~20mA | \$95.00 |
| Comms | | \$95.00 |

BTC-704

Digital / analogue controller

- ◆ On/off or proportional control, selectable.
- ◆ Input: Thermocouple or RTD, available.
- ◆ Output: SSR drive, Relay.
- ◆ Compact size, only 65 mm deep.
- ◆ Wide selection of ranges.
- ◆ Deviation alarm $\pm 10\%$ of span.



| MODEL | SIZE | PRICE |
|----------------|---------|----------|
| BTC-704 | 72 x 72 | \$265.00 |

BTC-404

Digital / analogue controller

- ◆ On/off or proportional control, selectable.
- ◆ Input: Thermocouple or RTD, available.
- ◆ Output: SSR drive, Relay.
- ◆ Compact size, only 53 mm deep.
- ◆ Wide selection of ranges.
- ◆ Deviation alarm $\pm 10\%$ of span.



| MODEL | SIZE | PRICE |
|----------------|---------|----------|
| BTC-404 | 96 x 96 | \$265.00 |

BTC-901

Analogue controller

- ◆ On/off or proportional control, selectable.
- ◆ Input: Thermocouple or RTD, available.
- ◆ Output: SSR drive, Relay.
- ◆ Compact size, only 86 mm deep.



| MODEL | SIZE | PRICE |
|----------------|---------|----------|
| BTC-901 | 48 x 48 | \$145.00 |

GSM Controller

- ◆ Control/Monitor/Alarm via GSM mobile phone, no distance limitation.
User can control/monitor/alarm their devices all over the world.
- ◆ 8 channels Analogue input (4~20mA).
- ◆ 8 Relay outputs.
- ◆ 8 Switch inputs: normal open, close alarm.
- ◆ 8 Analogue inputs: system can preset 4 mA and 20 mA input value according the real measuring value and setting display unit. It can read actual measuring data via the SMS (Short Message) requested, such as CH1= 28.0 C, CH2=53.7 %RH, CH3=7.01 pH.....CH8= 230.5 Vac.
- ◆ Enable or disable Analogue input alarm (High alarm, Low alarm) via SMS.
- ◆ Enable or disable switch Input alarm (close alarm) via SMS.
- ◆ Set relay output On/Off via SMS.
- ◆ Dot matrix LCD display show Analogue input value, Switch input and Relay output status.
- ◆ All setting value will be saved into EPROM IC, no loss.
- ◆ Mobile telephone can call out all channel measuring value, status of Switch input and Relay output at any time.
- ◆ Can default two telephone numbers, alarm SMS can be sent to two users.
- ◆ Build GSM mobile modem (dual band).
- ◆ After the SMS command is sent by mobile phone, the confirm message will be sent back to the mobile, safe and no loss.
- ◆ Intelligent application, innovation, wide range, no limitation.
- ◆ DC supply 9Vdc. Supplied c/w 230V power pack.



| MODEL | DESCRIPTION | PRICE |
|-----------------|--|-----------|
| GSM-8000 | GSM Controller. Dimensions: 193W x 46H x 149D mm. | \$1795.00 |

www.intech.co.nz/gsm-8000

- ◆ 18 isolated universal analogue input channels.
- ◆ 6 Digital input card.
- ◆ 6 Relay output card.
- ◆ 24Vdc power supply for external sensors.

**PAPERLESS RECORDER
VR18 - 6.1" Colour LCD**



| MODEL | SIZE | PRICE |
|----------------|--|------------------|
| VR18 | Base price, 3 analogue inputs. | \$3065.00 |
| Options | | Add price |
| | 3 channel analogue input card (6 cards max)(ie: 18 analogue channels). | \$390.00 |
| | 6 channel digital input card. | \$270.00 |
| | 6 channel relay output card. | \$270.00 |
| | RS232/422/485. | \$150.00 |
| | Extensive PC software Observer II. | \$225.00 |
| | Firmware of math, counter & totaliser. | \$335.00 |
| | Bench top / portable style. | \$225.00 |
| | 24Vdc transmitter power supply (Must have spare slot). | \$205.00 |
| | 1GB CF card (Download). | \$45.00 |

Note: CF Cards can be purchased locally.

- ◆ Six channel dotting hybrid recorder.
- ◆ Configurable inputs:
 - dc volts.
 - dc milli-amps.
 - Thermocouples.
 - Pt100.
- ◆ 100mm chart width.
- ◆ Printing by a ribbon cassette.
- ◆ Date stamping.
- ◆ Chart speed of 10~1500mm/hr in 28 steps.
- ◆ Scan rate of 10sec/6 channels max.
- ◆ Digital outputs: 6 relay outputs for alarms.
- ◆ Digital inputs: 3 digital inputs for 12 selectable function.
- ◆ Comms: RS232C (standard) or RS485 (option).
- ◆ Front panel protection of IP65.
- ◆ Short panel mounting depth of 150mm.

**HYBRID CHART RECORDER
CR06 Digital 6 channel Recorder**



| MODEL | SIZE | PRICE |
|----------------|----------------------|------------------|
| CR06 | 144 x 144 | \$2200.00 |
| Options | | Add price |
| | 6 relay outputs. | \$725.00 |
| | 3 digital inputs. | \$540.00 |
| | RS485. | POA |
| | Out of paper sensor. | \$999.00 |