

## 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
<b>BTC-9300</b>	48 x 48	\$420.00
<b>Options</b>		<b>Add Price</b>
<b>Retransmission</b>	4~20mA	\$95.00
<b>Comms</b>		\$95.00
<b>Low Volt Power Supply</b>	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
<b>BTC-C21</b>	48 x 24	\$235.00
<b>BTC-C91</b>	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
<b>L91</b>	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
<b>BTC-4300</b>	96 x 96	\$530.00
<b>Options</b>		<b>Add Price</b>
<b>Retransmission</b>	4~20mA	\$95.00
<b>Comms</b>		\$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
<b>BTC-704</b>	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
<b>BTC-404</b>	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
<b>BTC-901</b>	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
<b>GSM-8000</b>	GSM Controller. Dimensions; 193W x 46H x 149D mm.	\$1795.00

[www.intech.co.nz/gsm-8000](http://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
<b>VR18</b>	Base price, 3 analogue inputs	\$3065.00
<b>Options</b>		<b>Add price</b>
	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
<b>CR06</b>	144 x 144	\$2200.00
<b>Options</b>		<b>Add price</b>
	6 relay outputs	\$725.00
	3 digital inputs	\$540.00
	RS485	POA
	Out of paper sensor	\$999.00