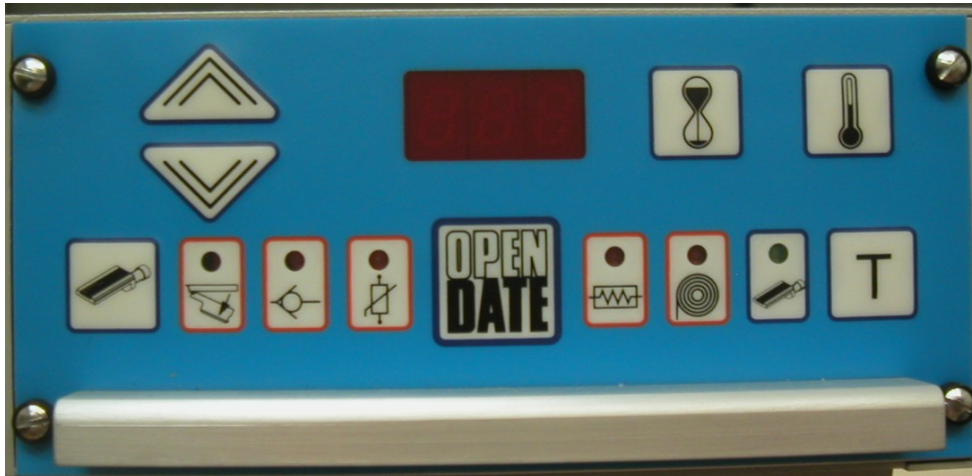# Digi50 Controller Specification

Foreward

The new Digi50 Controller has been designed to allow a maximum of 4 heaters to be controlled accurately. New design technology allows minimal heating of internal components. One customer has had a prototype unit for two years, running 3 heaters.

Supply Voltage:- (Selectable by Internal Switch)

> 120 Volt AC (Minimum 110 Volts, Maximum 126 Volts)
> 230 Volt AC (Minimum 207 Volts, Maximum 253 Volts)

Print Signals:- (Selectable by Dipswitch)

> Voltage Free
>
> 10 –30 Volts pulse, AC or DC

Controlling Relays:- (Dependant on Wiring)

> Print Control Relay.
> Fault Relay.
>
> Both relays have:- Common, Normally Open or Normally Closed Contacts.
> Rating:- 24v DC, 1 Amp.

Operation Modes:- (Rotary Selection Switch)

> Allows setting of Minimum & Maximum Temperature Tolerances, and whether to stop the machine if under temperature etc.
>
> 6 Modes of operation, see user guide etc.

<u>Centigrade or Fahrenheit:-</u> (Selectable by Dipswitch)

Range:- 70°C - 220°C or 158°F - 428°F

<u>Calibration:-</u> (Set sequence on Keypad)

Calibrated at 130°C standard, can be easily calibrated as required.

<u>Fault LED Indicators:-</u>

On the display are Fault LED's individually indicating:-

Heater fail, Thermistor Fail, Low Air, End of Foil, Door Open and Print on Line.

<u>Print Dwell Timer:-</u>

Print dwell timer has a range of:- 0 – 2 seconds (in milliseconds)

<u>Low Air Switch:-</u>

The facility is provided, to connect an optional Low Air Pressure switch to the controller. By setting the pressure switch to operate if the air pressure drops below the preset level, the controller will give a visible fault indication and will stop the printer.

C.R.Calvert   15 April 2005