

# 3116

MODEL



## Temperature/Process Controller

### Ideal for:

- plastic extruders
- small ovens
- chillers
- trace heating
- packaging machines

### Specifications:

#### Dimensions:

48W x 48H x 90D mm

#### Text messages:

10 x 30 character messages

#### Control modes:

PID or On/Off, heat/cool, heat only, cool only

#### Supply voltages:

85-264Vac, 24Vac/dc  
6 watts max.

#### Operating ambient:

0 to 50 deg C,  
5% to 85% RH, non condensing

#### Inputs:

Thermocouples  
Pt100 3 wire  
0-50mV, 4-20mA, 0-20mA

#### Output ratings:

Relay: 2A, 264Vac resistive  
Logic out: 12Vdc

**Digital in:** contact closure or logic

#### Panel sealing:

IP65, plug-in from front panel

The 3116 1/16th DIN controller achieves excellent control loop performance and yet is one of the simplest controllers to use and operate. The new user friendly text messaging feature automatically provides operators and engineers alike with plain language help at every step of the way.

Detailed configurations can be undertaken using iTools and the new wizard configuration screens on a PC.

The **Quick Start** code shortcuts traditional configuration mnemonics to fast track initial setup.

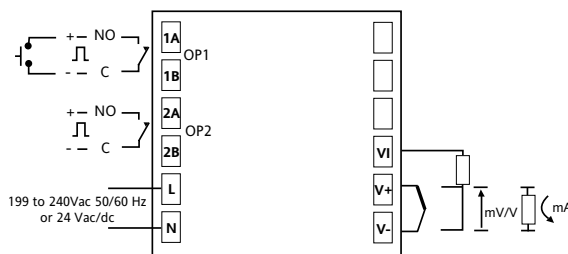
**Universal inputs** provide for common thermocouple, 3 wire Resistance Thermometer, mV and mA inputs.

**Timer functions** offer the choice of : a dwell timer; a delayed switch on timer or a self start timer.

Complies to IP65 ensuring front of panel protection against the ingress of dust and water.

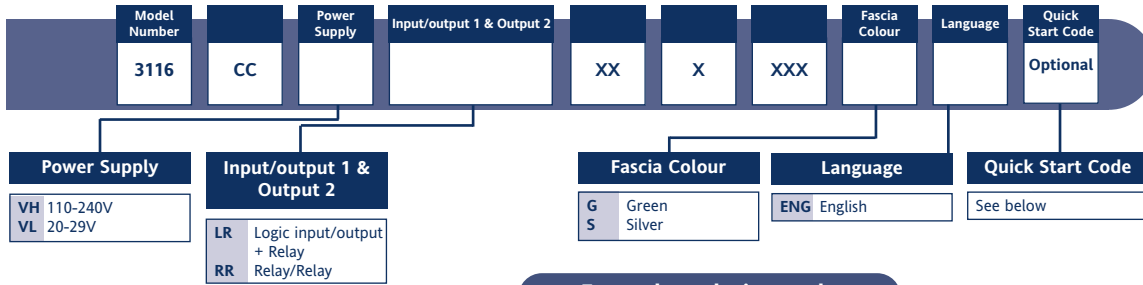
The controller is supplied as standard with one Digital logic input/output and one Relay output.

### Rear terminal connections



# Coding

## Hardware coding only

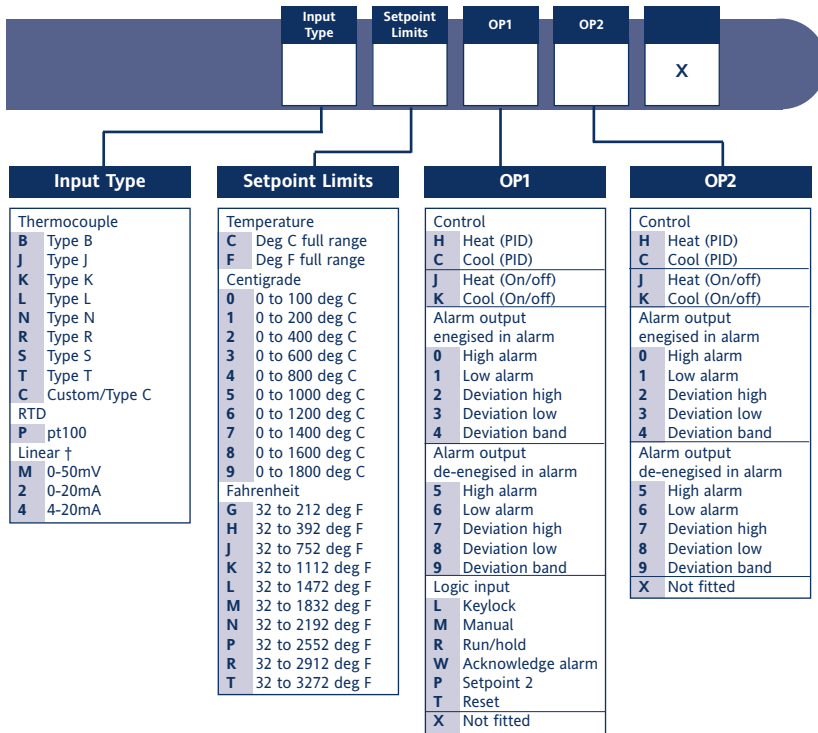


### Example ordering code

**3116 - CC - VH - LR - XX - X - XXX - G - ENG**

3116, Controller, 110 - 240V supply, Logic and Relay output, green fascia, English manual

## Optional Quick Start Code - Part 1



Notes:  
Alarms are numbered left to right.  
The first alarm output will be number one.

† Linear current inputs use an external 2.49ohm, 1% current sense resistor.

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