Temperature & Small Machine Controller

DS3021

Features:

- Quick-start code
- Configuration Wizard
- Quick-start HMI
- Informative displays
- Heater failure detection
- Easy recipe selection

Description:

This latest range of controllers provides world class excellence in control with clear, user friendly operator interfaces. Quick start codes; automatic help text; custom text messages, and an auto-tune that really works ensures the 3200 range makes high performance control simple to implement and easy to operate.

With the emphasis being on simplicity and available in four standard formats, the 3200 range provides precise temperature control with a host of options. A simple ‘QuickStart’ code is used to configure all of the essential functions required to control your process and, if preferred, this can be preset by us to your requirements. When accessing the controller HMI you will find that every parameter is accompanied by a scrolling text message to describe its function.

The 3200 has a host of advanced features including heater failure detection, timer, setpoint programmer and a recipe feature that is unique in this class of product. All of these features can be configured with an extremely simple to use PC wizard configuration tool. Configurations can be saved to file and reused or modified to suit other applications in the future.

The 3508 and 3504 offer much more than temperature control - advanced features and options make them capable of small machine control. They provide flexible I/O options to control and measure a multitude of processes - temperature, carbon potential, humidity, flow, pressure, level, viscosity, additive dosing and many more. Specialist function blocks, recipe selection, setpoint programmers, maths, logic, timer functions and flexible communication options are just a few examples of what makes these instruments a key part of a total process solution.

UKAS CALIBRATION
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CERTIFICATE NO. FM22358

General Note
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IP Rating	IP65, NEMA 4X
Display Type	4 Digit LCD plus 5 digit alphanumeric (3216 and 32h8 models) 4 Digit LCD plus 5 digit alphanumeric, ammeter display (3208 and 3204 models) Large 4½ digit LCD with 4x10 character text (3508 model) Large 5 digit LCD with 4x20 character text (3504 model)
Supply Voltage	100-264V AC, 24V AC/DC
Control Loops	1 (3216, 3208, 32h8 and 3204 models) 2 (3508 and 3504 models)
Input Types	TC, RTD, mV, mA, CT (3216, 3208, 32h8 and 3204 models) TC, RTD, mV, mA, Volts, O2 (3508 and 3504 models)
PV Accuracy	Better than 0.25% of reading (3216, 3208, 32h8 and 3204 models) Better than 0.1% of reading (3508 and 3504 models)
Control Types	On/Off, PID, VP (3216, 3208, 32h8 and 3204 models) On/Off, PID, VP, Dual VP (3508 and 3504 models)
Output Types	Logic, relay, triac, analogue
Number of Alarms	4 (3216, 3208, 32h8 and 3204 models) 8 (3508 and 3504 models)
Alarm Types	Hi, Lo, Dev, Event, SBR
Setpoint Programmer	1 Program, 8 segments, 1 event (3216, 3208, 32h8 and 3204 models) 50 Programs, 500 segments, 8 events (3508 and 3504 models)
Digital IO Expander	Available with 3508 and 3504 models
Heater Failure Detection	Yes - except with 3508 and 3504 models
Recipes	5 with 38 tags (3216, 3208, 32h8 and 3204 models) 8 with 24 tags (3508 and 3504 models)
Custom Messages	Yes
Custom Pages	Operator list (3216, 3208, 32h8 and 3204 models) Operator list and 8 user pages (3508 and 3504 models)
Remote Setpoint	mA, Volts

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