RKC INSTRUMENT INC.

Module type digital temperature controller

Features

Multi-zone temperature control system can be easily achieved by connecting temperature control modules to a communication converter module for MECHATROLINK.
Temperature control module can be selected from 2-zone or 4-zone modules. Maximum of 31 temperature control modules (64 zones) can be connected.
Digital input/output modules can be also connected to handle contact signals for temperature alarm output and operation mode switching.
Module model code
Communication converter module: COM-MY
Temperature control module: Z-TIO
Digital input/output module: Z-DIO

SRZ

Specifications

Item	Specifications
Measuring input	Number of inputs: 2 points/module, 4 points/module Input type: Thermocouple, RTD, DC current, DC voltage *Universal input (Z-TIO)
Control method	PID control with autotuning, ON/OFF control (Z-TIO)
Control output	Relay contact output, Voltage pulse output 0/12V DC, Continuous DC voltage output DC current output, Triac output, Open collector output (Z-TIO)
Alarm	Temperature alarm, Heater break alarm, Control loop break alarm (Z-TIO)
Digital input	Number of input: 8 points/module Input method: Voltage contact input (Open: Less than 5V DC, Close: More than 17.5V DC) Function: Run/Stop, Remote/Local, Auto/Manual, Memory area selection, Alarm interlock reset (Z-DIO)
Digital output	Number of output: 8 points/module Output method: Relay contact output, Open collector output Function: Alarm output (Temperature alarm, Heater break alarm, Control loop break alarm) (Z-DIO)
Host communication	Communication method: RS-485, RS-422A Communication protocol: ANSI X3.28-1976 sub-category 2.5B4 (RKC standard)
Power supply	24V DC

MECHATROLINK specifications

		M- I	M- II	
		17-byte	17-byte	32-byte
Command	Intelligent I/O	×	×	×
Transmission cycle		2ms	1ms to 8ms	

Contact Information

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