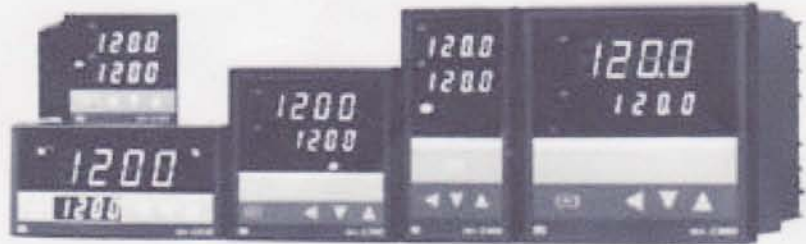




REX-C100
REX-C400
REX-C410
REX-C700
REX-C900



General Description

The REX Century series is the high performance PID controller with easy-to-use.

Heat/cool control and two alarms including heater break alarm and loop break alarm are available. The REX Century series is available in five DIN sizes from 1/16 DIN to 1/4 DIN.

Features

- ☆ Heat/cool control for extrusion process (except for REX-C100)
- ☆ Heater break alarm (single or three-phase) and loop break alarm
- ☆ CE marked, UL approved and CSA certified
- ☆ Power supply selection among 100 to 240VAC, 24VDC and 24VAC

Loop break alarm (LBA)

The control loop break alarm (LBA) monitors and protects an entire temperature control system. The LBA detects heater break, thermocouple or RTD failures, short circuits, or the failure of an operating device such as a mechanical or solid state relay.

When the PID computed value reaches 100% and the temperature does not respond in LBA set time, the loop break alarm is activated. Conversely, when the PID value reaches 0% and the temperature does not respond accordingly, the loop break alarm is turned on.

Heat/cool control

The heat/cool PID controller has heat and cool outputs for use where process-generated heat exists. The controller allows the input of overlap or deadband settings which can contribute to energy savings.

Heater break alarm (HBA)

The HBA function monitors the load via an external current transformer*1 and detects failures in the control circuit such as heater breaks and the failure of a mechanical or solid state relay. When the control output is on and the load current drops below the HBA set value, the heater break alarm is activated. Conversely, when the control output is off and the load current still exists, the heater break alarm is turned on.

HBA for three phases is available. Please contact RKC for details.

*1 Current transformer: CTL-6-P-N (0 to 30A), CTL-12-S56-10I-N (0 to 100A)