



20Q / 7EK / 7SL

20Q series, 7EK relay/current or slide-wire, 7SL hi-limit

Temperature Controllers & Hi-Limit

20Q Main Features:

- 1/4 DIN, Universal inputs (P/N 31091)
- Wide range of outputs (Relay, SSR, Triac, Servo)
- 11 logic inputs, 14 digital outputs, Clock/Calendar
- Smart tuning function
- Modbus communications
- 3 row, 4 digit LED, 2 bar graph LED display
- IP65, NEMA 4X
- 4 digital outputs
- 2 isolated mA outputs
- Remote setpoint input
- UL, cUL Approved, CE marked

7EK Series Main Features:

- 1/8 DIN, Universal inputs
- 1 Current (4-20mA) and 3 relay outputs (P/N 31081)
- 1 Slide-wire and 2 relay outputs (P/N 31082)
- Smart tuning function
- Modbus communications
- UL, cUL Approved, CE Marked

7SL High-Limit Main Features:

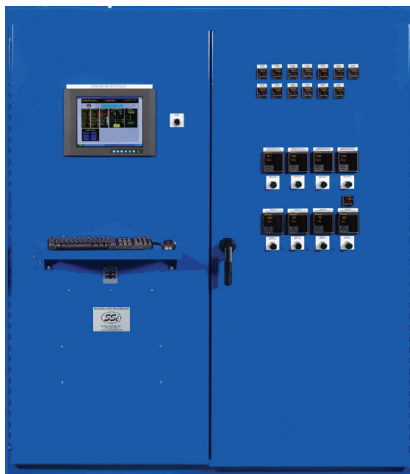
- 1/16 DIN, Universal inputs (P/N 31042)
- 1 Alarm
- Auto/Manual Reset
- Modbus communications
- UL, FM Approved, CE Marked

Applications

- Batch furnace temperature control
- Quench oil
- Temper furnace
- Generator temperature control

Compatibility

- 4-20mA actuators
- Solenoid valves
- On/Off control valves

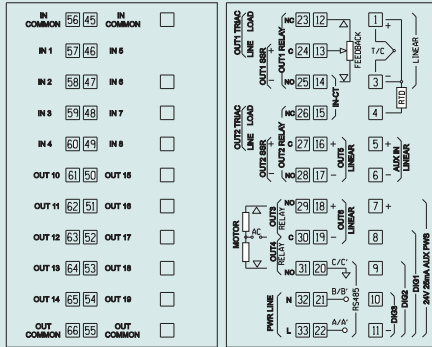


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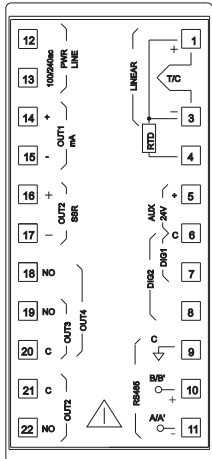
Back Terminals



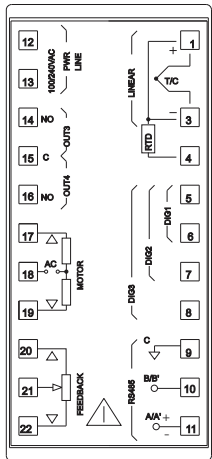
Series 20Q (P/N 31091)

Display: Three rows 4-digit LED, 2 bar-graph LED display, UL approved.

All of These Temperature Units are
FM Approved,
UL Listed 2N66
CE Marked



Relay/Current Output



Slide-Wire Output

Specifications

Cut-out Dimensions:

- Series 20Q: 3.62W X 3.63H X 4.06D In 92W X 92H X 103D mm
- Series 7EK: 1.78W X 3.63H X 4.06D In 45W X 92H X 103D mm
- Series 7SL: 1.78W X 1.78H X 4.06D In 45W X 45H X 103D mm

Control Modes:

- PID or On/Off, motorized valve

Power:

- 100 - 240 VAC, 50/60Hz

Oper

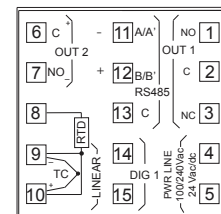
- 32°F to 130°F (0°C to 55°C)
- 20 - 85% RH non-condensing

Inputs:

- Universal thermocouple

Output ratings:

- Relay: 2A, 264VAC resistive
- Logic: 18VDC, 20mA
- Triac: 1A, 264VAC resistive
- DC: Isolated 0-20mA, at 12VDC



Part No. 31042

Series 7SL, Hi-Limit



SuperSystems
Incorporated

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