

Safety Made Simple.

Future Design's series "7" Hi-Limit is a combination surface or DIN rail mount FM approved controller designed to provide hi-limit protection for process applications.

Setup is accomplished simply by adjusting the set point dial by hand. A "SPDT" latching relay circuit is provided and must be manually reset each time the unit exceeds the limit set point.

Compact and simple, The series "7" offers several ranges to satisfy customer requirements.

- ▶ LATCHING OUTPUTS
- ▶ REMOTE RESET
- ▶ FINGER SAFE TERMINALS
- ▶ SURFACE OR DIN RAIL MOUNT
- ▶ UL, FM APPROVALS
- ▶ ELIMINATES PANEL CUTOUT



FDC SERIES "7" HI LIMIT

COMPACT DESIGN

- Small footprint takes minimal panel space.

FM LIMIT CONTROL

- Protects equipment and personnel

SIMPLE OPERATION

- Simple setup, reduced learning curve.

TWO YEAR WARRANTY

FDC SERIES "7" SPECIFICATIONS

POWER

115VAC, 24VAC OR 24VDC, 50/60Hz. 3VA Max Power is range dependent (See P/N for ranges).

INPUT

Thermocouple/RTD: J, K, RTD
See P/N for ranges.

T/C COMPENSATION

Automatic cold junction compensation.

LIMIT OUTPUT

SPDT Relay rated at 3.8A resistive. 120/240VAC. Relay rated at more than 100,000 cycles.

RESET FUNCTION

Manual reset button standard. Remote reset terminals standard.

SETPOINT ADJUSTMENT

Local setpoint dial adjustment.

CONTROL STABILITY

Typically less than +5 microvolts/°F ambient and .01% of span/% rated line voltage.

SETPOINT ACCURACY

+/- 1% of FS maximum at 25°C and rated line voltage.

SENSOR BREAK PROTECTION

Contacts open for sensor break.

AGENCY APPROVALS

UL & cUL. File #E197958
FM APPROVAL

ENVIRONMENTAL AND PHYSICAL

Operating Temperature: 0 to 60°C

Moldings: Noryl, Black

Dimensions: SEE DWG ON REVERSE SIDE

ORDERING INFORMATION

Enter a number in each box which corresponds to the specifications you want when ordering the Series "7".

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INPUT RANGE

Z259: LIMIT CONTROL ., 115VAC, "J" T/C 0 TO 1400°F, 3A RLY, DIN RAIL, FM APPROVED
Z260: LIMIT CONTROL ., 115VAC, "K" T/C 0 TO 2300°F, 3A RLY, DIN RAIL, FM APPROVED
Z261: LIMIT CONTROL ., 115VAC, "J" T/C 0 TO 600°F, 3A RLY, DIN RAIL, FM APPROVED
Z262: LIMIT CONTROL ., 115VAC, PRTD 0 TO 750°C, 3A RLY, DIN RAIL, FM APPROVED
Z267: LIMIT CONTROL ., 115VAC, "J" T/C 0 TO 300°C, 3A RLY, DIN RAIL, FM APPROVED
Z272: LIMIT CONTROL ., 115VAC, PRTD -330 TO 200°F, 3A RLY, DIN RAIL, FM APPROVED
Z275: LIMIT CONTROL ., 24VDC, "J" T/C 0 TO 300°C, 3A RLY, DIN RAIL, FM APPROVED

CONTACT FACTORY FOR ADDITIONAL INPUT TYPES AND RANGES AVAILABLE.

Series "7" Dimensional Drawing:

