

32DZ 1/32 DIN Dual Zone Temperature / Process Control

The 32DZ Series

temperature/process controls

set a new standard in 1/32 DIN power, flexibility, and value. Love Controls is proud to be the creator of the world's first dual zone control in the 1/32 DIN size. This addition to the Love family of controls offers the highest levels of features at an economical price. Ease of use is assured from the creators of the world's first dual display 1/32 DIN temperature /process control.



STANDARD FEATURES

- Large dual display
- Independent Self-Tune
- Independent Fuzzy logic
- Loop break protection
- Peak/Valley indication
- Illuminated keypad
- Four password protected security



The 32DZ offers a semi-universal input (10 thermocouple types in one of two groups, an RTD type, and voltage and current types). Each zone offers a single set point with mechanical relay, 5 VDC pulsed output, or AC SSR. One of the two outputs may be a proportional 4 to 20 mA output that may be assigned to either zone 1 or zone 2. Standard features include independent Fuzzy Logic, Self-tune, and Peak/Valley indication for each zone. Process protection is provided by open sensor protection, shorted sensor protection, input rate of change protection, and loop break protection.

Options for the 32DZ include RS-485 Serial Communication and low voltage operation.

Designed and built in the USA, the 32DZ family of controls offers the highest levels of features, function, and quality available today.

Input Ranges

INPUT TYPE	RANGE °F	RANGE °C
Type J or L ¹ Thermocouple	-100 to +1607	-73 to +871
Type K ¹ Thermocouple	-200 to +2500	-129 to +1371
Type T ¹ Thermocouple	-350 to +750	-212 to +398
Type E ¹ Thermocouple	-100 to +1800	-73 to +982
Type R Thermocouple	0 to 3200	-17 to +1760
Type S Thermocouple	0 to 3200	-17 to +1760
Type B Thermocouple	+75 to +3308	+24 to +1820
Type C Thermocouple	0 to 4208	-17 to +2320
Type N ¹ Thermocouple	-100 to +2372	-73 to +1300
1000 Ω Plt. 0.00385 DIN ¹ RTD	-328 to +1607	-200 to +875
Current/Voltage/Δ Voltage ²	Scalable Units from -1999 to +9999	

¹ These Input Types can be set for 0.1° display. If temperature goes above 999.9° or less than -199.9° the display will return to whole degree resolution.

² The 0 to 20 mADC, 4 to 20 mADC, 0 to 10 VDC, 2 to 10 VDC, and -10 to +10 mVDC inputs are fully scalable from a minimum of 100 counts span placed anywhere within the range of -1999 to +9999. Decimal point position is adjustable from the zero place (9999), tenths (999.9), hundredths (99.99), thousandths (9.999), or ten thousandths (.9999).

