Programmable Logic Controller Module

LX TEMPERATURE MODULE

Model	Channels	Resolution	Functionality
LX3V-4TC	4	14 bits	Analog thermocouple inputs
LX3V-4LTC	4	14 bits	Analog thermocouple inputs, with PID Control
LX3V-8iTC	8	14 bits	Analog thermocouple inputs
LCM-4TC	4		Analog thermocouple inputs support RS485 Modbus communication

Specification

Item	LX3V-4TC	LCM-4TC	LX3V-4LTC	LX3V-8iTC
Dielectric withstand voltage	500V AC, 1min (between all terminals and ground)			
Analog circuits	24V DC ± 10%, 70mA			24V DC ± 10%, 50A
Digital circuits	24V DC, 35mA (internal power supply from the main unit)			
Centigrade (°C)/Fahrenheit (°F)	Both °C and °F are available by reading the appropriate buffer memory (BFM).			
Input signal	Thermocouple: Type K or J (either can be used for each channel), 4 channels		Thermocouple: Type K,J,T,E,N,B,R,S(either can be used for each channel), 4 channels	Thermocouple: Type K,J,T,E,N,B,R,S(either can be used for each channel), 8 channels
Rated temperature range(°C)	Type K: -100C° to +1200C°		Type J: -100C° to +600C°	
Rated temperature range(°F)	Type K: -148 F°to +2192 F°		Type J: -148 F° to +1112 F°	
Digital output(°C)	Type K: -1000 to 12000		Type J: -1000 to 6000	
Digital output(°F)	Type K: -1480 to 21920		Type J: -1480 to 11120	
Digital output	12-bit conversion, save as complement of 2 in 16 bits			
Overall accuracy	± (0.5% full scale +1°C) Freezing point of pure water 0°C / 32°F			
Conversion speed	(240ms ± 2%) × 4 channels (unused channels are not converted)			
CE Certification	CE marked			





