Programmable Logic Controller Module

LX ANALOG INPUT

Model	Channels	Resolution	Functionality
LX3V-4AD	4	12 bits	Analog signal input

Specification

Item	LX3V-4AD
Dielectric withstand voltage	500VAC, 1min (between all terminals and ground)

Power supply

Item	LX3V-4AD
Analog circuits	24V DC±10%, 55mA (external power supply from main unit)
Digital circuits	5V DC, 90mA (internal power supply from main unit)

Inputs

	Voltage Input	Current input
Items	Either voltage or current input can be selected with your choice of input terminal. Up to four input points can be used at one time.	
Analog input range	DC -10V to +10V (input resistance: 200kΩ). Warning: this unit may be damaged by input voltage in excess of ±15V	DC -20mA to +20mA (input resistance: 250Ω) Warning: this unit may be damaged by input currents in excess of ±32mA.
Digital output	12-bit conversion stored in 16-bit 2's complement form Maximum value: +2047 Minimum value: -2048	
Resolution	5mV (10V default range 1/2000)	20μA (20mA default range 1/1000)
Over all accuracy	±1% (for the range of -10V to +10V)	±1% (for the range of -20mA to +20mA)
Conversion speed	15ms/channel (Normal speed), 6ms/channel (High speed)	
CE Certification	CE marked	





