

Wecon LX3V-4LTC Isolation Temperature PLC Module

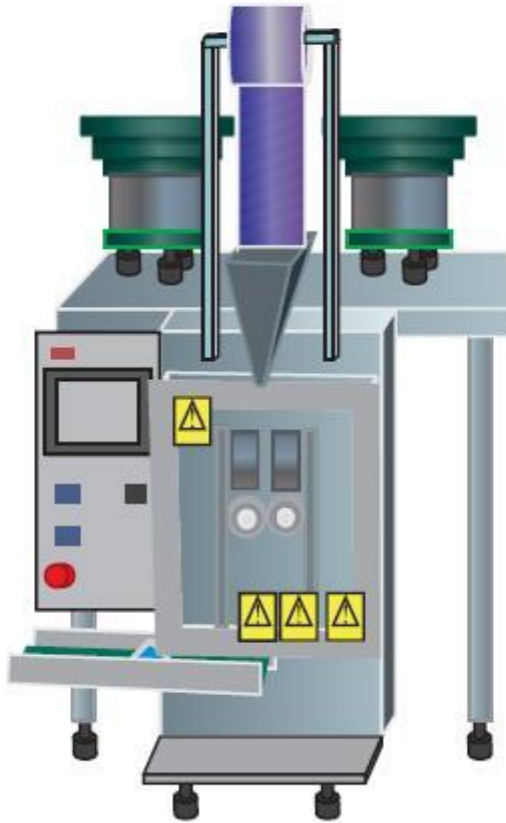
Wecon LX3V-4LTC Isolation Temperature PLC Module

LX3V-4LTC is temperature control module, it has four temperature input ports and four transistor output ports (open collector). It reads data from the thermocouple, and give output value with PID control algorithm.

Item	Specification
Dielectric withstand voltage	500V AC, 1min (between all terminals and ground)
Analog circuits	24V DC \pm 10%, 55mA
Digital circuits	5V DC, 90mA (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
Rated temperature range(°C)	Type K:-100°C to +1200°C Type J:-100°C to +600°C
Rated temperature range(°F)	Type K:-148°Fto +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	\pm (0.5% full scale +1°C) Freezing point of pure water 0°C / 32°F
Conversion speed	(240ms \pm 2%) \times 4 channels (unused channels are not converted)
CE Certification	CE marked

The Application:

Screw Packaging Machine



Battery Drying Oven, its working process includes, warming – cooling – vacuum – forcing – nitrogen filling. The project has total 100 processes comprises two different process cycles. Data monitoring, data acquiring, PID Auto-tuning (self-tuning). Measurement of Temperature at different 12 points. There difference in the temperature at upper, lower, middle, center of the oven. So, temperature gradient is there and homogeneity of the oven is affected.