



Bridging the Gap between Real World and Computer



EMA-8314R/T **New**



Software key function

Ethernet Module RTD

Features

- ▶ 4 channel input for Pt-100, Pt-1000 (EMA-8314R)
- ▶ 4 channel input for Thermocouple Type : S, R, B, K, N, E, J, T (EMA-8314T)
- ▶ 4 Relay output
- ▶ Wide power range
- ▶ 10/100M auto detection

Introduction

EMA-8314R is an ethernet analog input module, specially designed for RTD.

EMA-8314T is an ethernet analog input module, specially designed for Thermocouple.

Dll is provided for WIN 2000/XP, WIN 7 and later or LINUX platform and sample programs come with VB source code.

Applications

- ▶ For remote temperature sensing
- ▶ For remote digital output or temperature alarm

Software Support

▶ PC OS Support

Windows 2000/XP, WIN 7 and later or Linux O.S. Embedded XP, Win CE (at request)

▶ Library

DLLs, VI library

▶ Develop Software

Visual C++, Visual Basic, Borland C/C++ Builder, LabVIEW etc

▶ Example Source Code

Visual Basic

Ordering Information

- ▶ **EMA-8314R** : Ethernet module for RTD
- ▶ **EMA-8314T** : Ethernet module for Thermocouple
- ▶ **JD52000** : 110/220Vac to 24Vdc @1.5A power supply
- ▶ **JS52026** : 110/220Vac to 24Vdc @0.75A power adapter

Specifications

EMA-8314R

- ▶ RTD Type : Pt-100 (range : -200 °C ~ +600 °C)
Pt-1000 (range : -200 °C ~ +600 °C)
- ▶ Channels : 4
- ▶ Wire connection : 2/3/4 wire
- ▶ Resolution : 24-bit
- ▶ Sample rate : 15 sample/second
- ▶ RTD break detection : Yes
- ▶ Digital output : 4 Relay output
- ▶ Output function : general out or alarm out

EMA-8314T

- ▶ Thermocouple Type :
S (range : -50 °C ~ +1768 °C)
R (range : -50 °C ~ +1768 °C)
B (range : +260 °C ~ +1820 °C)
K (range : -200 °C ~ +1372 °C)
N (range : -230 °C ~ +170 °C)
E (range : -200 °C ~ +1000 °C)
J (range : -210 °C ~ +760 °C)
T (range : -260 °C ~ +400 °C)
- ▶ Channels : 4
- ▶ Resolution : 24-bit
- ▶ Thermocouple broken detection : Yes
- ▶ Thermocouple Compensated : Yes
- ▶ Digital output : 4 Relay output
- ▶ Output function : general out or alarm out

Ethernet

- ▶ 10/100M auto switch x 2 port

General

- ▶ Power Requirement : 12Vdc ~ 24Vdc
- ▶ Operation Temperature : 0 °C ~ +70 °C
- ▶ Storage Temperature : 0 °C ~ +70 °C
- ▶ Operation Humidity : 5~95% RH, non-condensing
- ▶ Dimensions : 107.6(D)*135.8(W)*34(H)mm
4.3(D)*5.4(W)*1.4(H)in