



Features

- Dual 16bit Analog Input channels
- 4-20mA Current reading ready
- Delta-Sigma Technology
- Accuracy 0.1%
- 2-ch 'Dry-Contact' Inputs
- 2-ch 5Amp Relay contact rating
- Master/Slave operation
- Multitasking USB port
- Onboard watchdog protection
- High noise immunity
- Din-Rail mounting ready

Introduction

The IA-3741-U is a Multifunction Industrial Control module that includes two Analog Input channels, two Digital Input channels two Relays and an on board Microcontroller that is capable of managing these functions as a USB controlled Slave System or as a Stand-alone System.

The Analog Input converters are of 16 bit resolution, Delta Sigma Technology, with a channel accuracy of 0.1%.

The Relays contact rating is 5Amp @ 30VDC and 5Amp @ 250VAC.

The software support package includes Dot.net Library, Open Source code examples and an operation utility for fast system integration.

Ordering Information

IA-3741-U:	4-20mA Up/Down Loop Controller
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Specifications

Analog Input

Channels	2
Resolution	16bit
Accuracy	0.01%
Input Range	0-20mA

Digital Input

Channels	2
Rated Voltage	0-32VDC
Pull-up Resistor	22K OHM

Relays

Channels	2
Contact Rating	5Amp @ 30VDC 5Amp @ 250VAC

Communication

Method	USB 2.0
BR Range	1,200-115,200 bps
Default BR	19200 bps

General

Supply Voltage	10-30VDC
Supply Power	2W
Module Size	105x75x32
Board Weight	280gr