

IE8812S

BTE's IE8812S Multifunction I/O module is ideal for small to medium size industrial automation projects utilizing industry standard analog, digital, or pulse sensors, and requiring industrial rated output control to manage anything from indicator lamps to motor start/stop operations.

The IE8812S is a 16 pin multifunction I/O module consisting of 8 open collector outputs, and 8 multifunction inputs, all of which can be configured for analog, digital, or pulse operation under software control. Data communications between the IE8812S and the Automation Controller is provided by a 2-wire RS485 connection. Connections are provided to daisy chain both the RS485 and power circuits for expansion. A passive termination is switch selectable for the last unit in the RS485 string, and dipswitch controlled pull up resistors on the inputs are standard.



Features

- Versatile industrial rated I/O module
- 8 Open collector outputs
- 8 Multifunction inputs
 - Analog
 - Digital
 - Pulse
- RS485 communications
- DC power – 9 – 24 volts
- Switch selectable pull-ups
- Switch selectable RS485 termination
- Daisy chain power and communications
- DIN mount

Specifications – IE8812S

Pulse Inputs:

Minimum Pulse width - 3 msec
Maximum Pulse Count Stored between reads - 32767

Analog Inputs:

Analog Input Measurable Range - 0 - 5 volts
Analog Read Frequency - 20 Hz
Analog Input A/D Conversion - 12 bit with 10 mV offset

Digital Input Specifications

Maximum Input Voltage - 30 volts
Input Logic - Low <1 volt; High >4 volts
Sample Rate - 512 Hz

Digital Outputs:

Open Collector Output Rating - 30 volts
350 ma, 250 ma with all inputs on
Maximum Update Frequency - 60 Hz
Pulse Width Modulation - 7.8 KHz, 8 bit

Control Interface

RS485 2 wire
Protocol – Ctek Automation Control proprietary

Power

9 – 24 VDC
Requires 100ma power excluding active outputs

Mounting

35 mm DIN

Dimensions

4.22 X 2.8 X 1.33 inches

Environmental:

Temperature minus 30 to plus 70 C
Humidity - less than 90% non-condensing