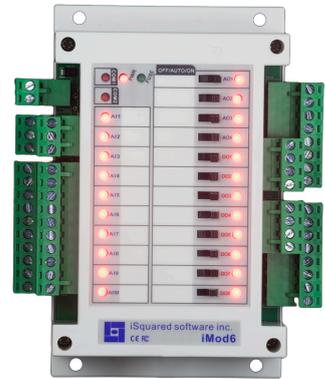# iMod6
Programmable DIN-Rail Modbus controller

Description:

This full-featured programmable DIN-Rail I/O module is specifically designed by our engineers for full compatibility with ControlCore software products.

In conjunction with the ControlCore suite, it provides unique features, full programmability, easy Modbus integration, all at one of the best performance/price ratio available on the market.

Highlights:

Licensed for ControlCore programming
Standard DIN-Rail mounting enclosure
10 AUI, 4 AO, 4-20mA option, 8 relays
Real Time Clock
Two RS485 network ports, adjustable baud rate
High performance MCU

Technical Data:

iMod6:

8 relays x 3amps @24V
10 AUI, jumper selectable (Therm, 0-10V, 4-20ma), dry contact, 12 bit resolution
AUIs are software configurable as Analog/Digital/Counter/Frequency inputs
4 AO, jumper selectable: 0-10V (30mA max) or 4-20mA mode, 10 bit resolution

Operating temperature:
-30-70°C (-22~158°F)

Supply voltage:
16~24V AC/DC, 50-60Hz

Nominal power consumption:
100mA at 24VDC

Relay contacts rating:
3A @ 24VAC
UL File No.: E238496
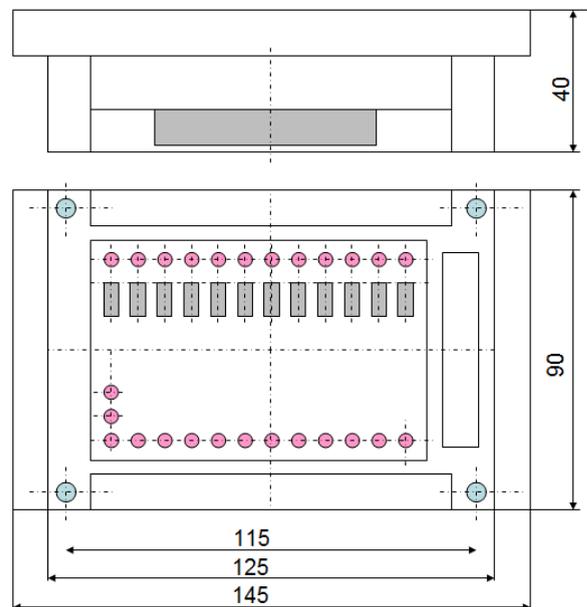Certified to CAN/CSA-C22.2 No. 14: UL File No.: E238496

Operating Environment
0 ~ 99% humidity non condensing

Plastic Housing:
Flammability rating UL 94V0 file E194560

iMod6
Programmable DIN-Rail Modbus controller

Technical Data:

Real Time Clock

Outputs can be manually switched to ON, OFF, AUTO

Supports ControlCoreTM and standard Modbus/RTU protocol
Two (2) RS485 network ports, 19200 / 8-N-1
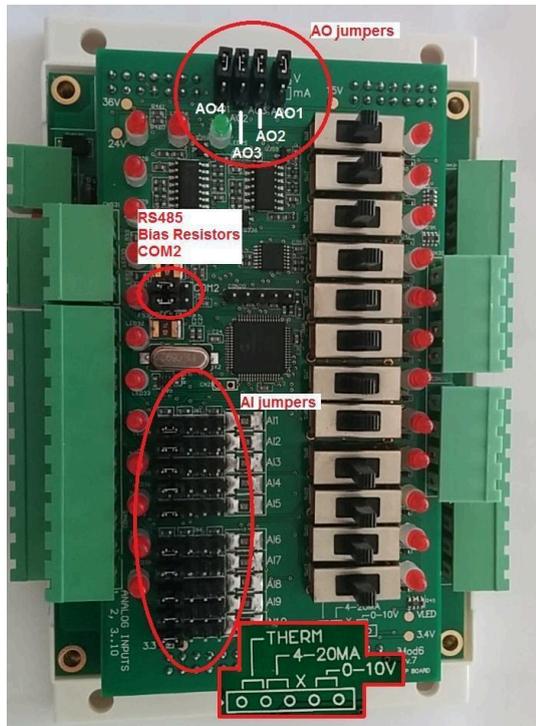**User selectable baud rates (9600, 19200, 38400, 57600, 115200)**

Colour
White/RAL9003-Signal White

Weight
320g

Board, connections and jumper settings:

Board:
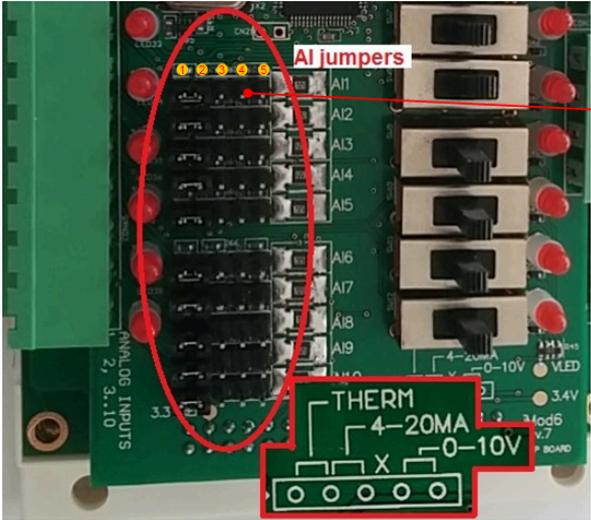

Inputs:

Outputs:

Analog output jumper settings:

iMod6
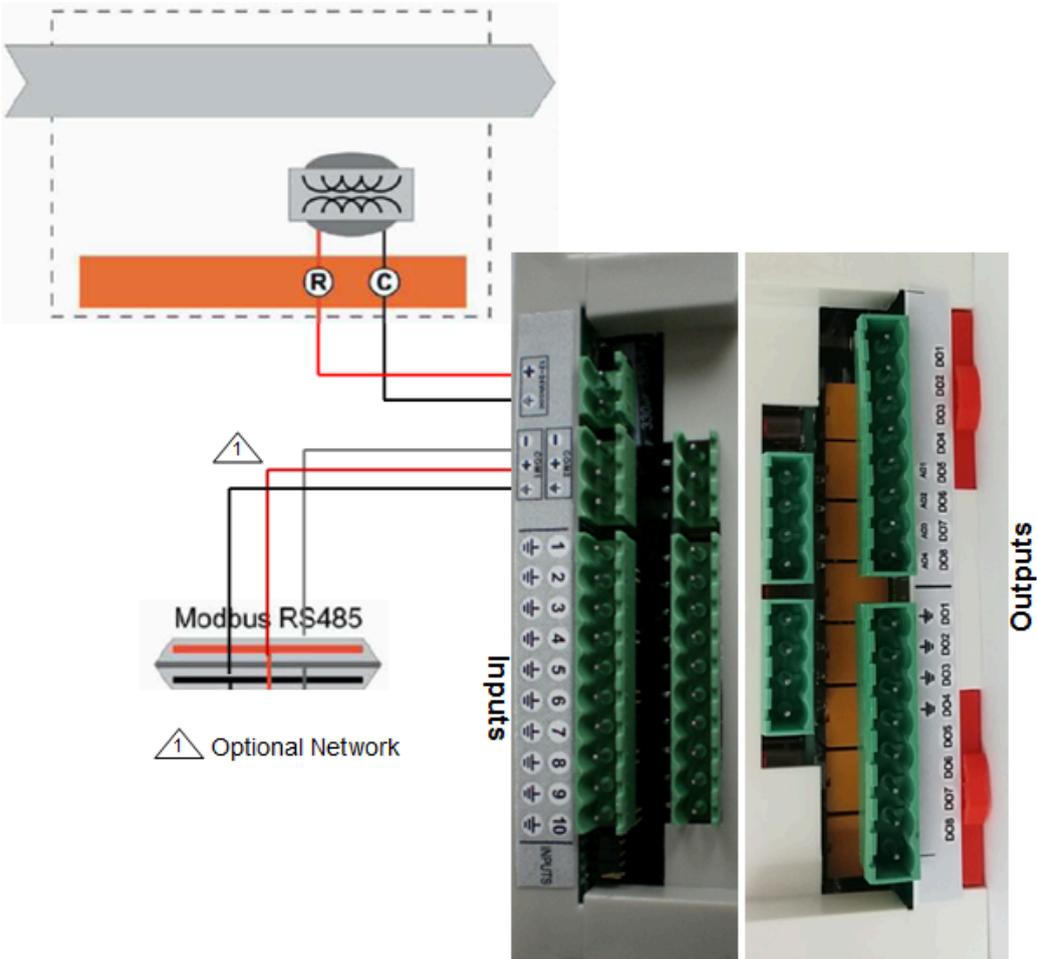## Programmable DIN-Rail Modbus controller

Analog input jumper settings:

Wiring diagram:

iMod6
Programmable DIN-Rail Modbus controller

One Year Guarantee and Limitation of Liability:

iSquared Software Inc. warrants to the original purchaser that this product is free from defects in materials and workmanship under normal use and service for a period of one (1) year from the date of shipment from the factory or an authorized sales channel.

iSquared Software Inc.'s liability under this warranty is limited solely to the repair or replacement of defective products. Upon expiration of the warranty period, all such liability shall terminate.