iPan
Programmable panel-mount Modbus controller

Description:

This full-featured programmable panel-mount controller 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
High impact plastic enclosure, provides durability in commercial environments
4 AUI, 2 AO, 4-20mA option, 5 relays
Real Time Clock
Two RS485 network ports

Technical Data:

iPan:

5 relays x 2amps @24V
4 AUI, jumper selectable (Therm, 0-10V, 4-20ma), dry contact, 12 bit resolution
AUIs are software configurable as Analog/Digital/Counter/Frequency inputs
2 AO, jumper selectable: 0-10V (30mA max) or 4-20mA mode, 10 bit resolution

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

LCD screen temperature limitation:
0-35°C (32~95°F)

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

Power consumption:
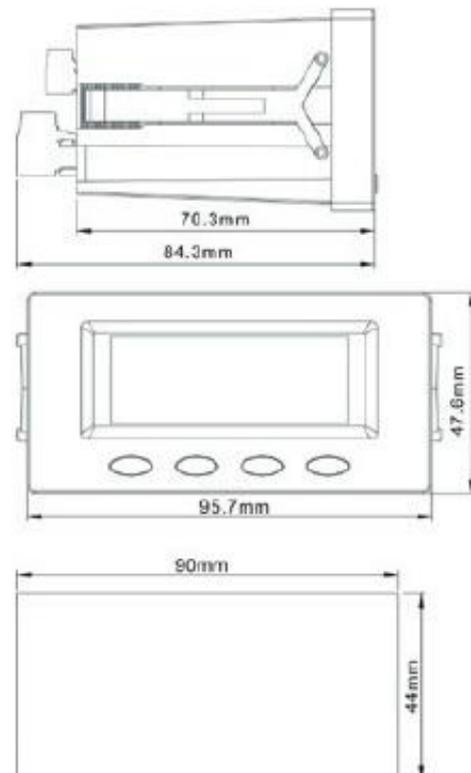100mA at 12VDC

Relay contacts rating:
2A @ 24VDC
UL File No.: E43149CSA File No.: LR26550

Operating environment
0 ~ 99% humidity non condensing

Ambient humidity:
10-90 %Rh

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Technical Data:

Plastic housing:
Flammability rating UL 94V0 file E194560

Enclosure rating:
IP31

Real Time Clock

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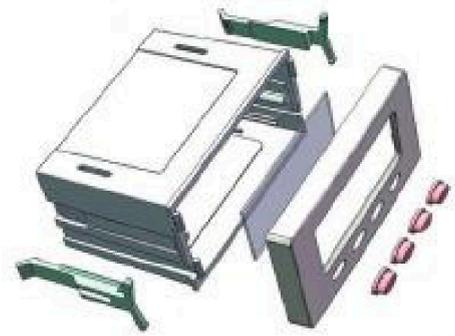protocol**
RS485 interface 19200 / 8-N-1
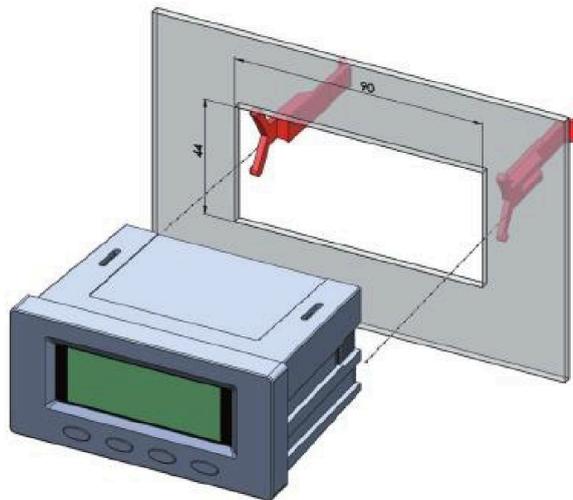**User selectable baud rates (9600, 19200, 38400, 57600, 115200)**

Colour
White/Off-White

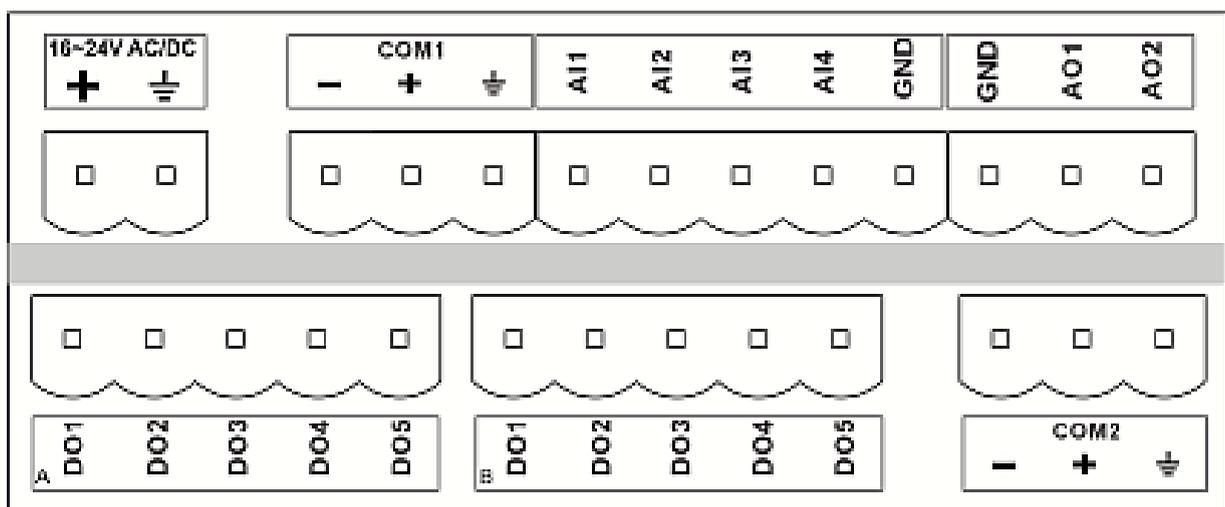**Weight**
200g

Panel cut-out size: 90x44mm:

Snap slider:
Slide tab into slot to secure device in the panel
No screws or other hardware required

iPan terminal block connections:

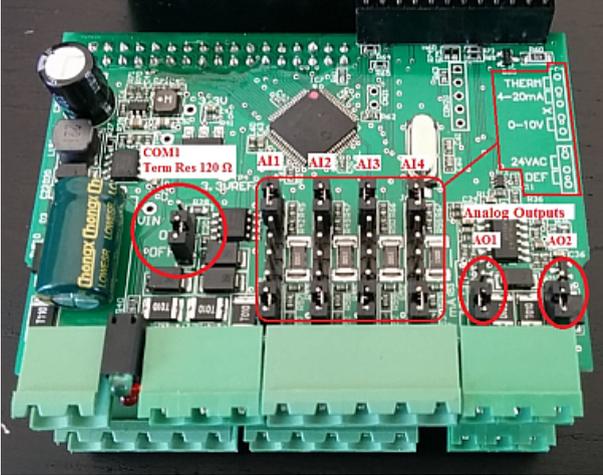# iPan
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iPan board jumpers:

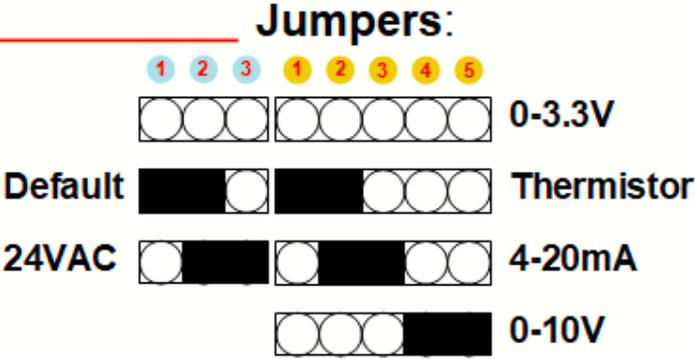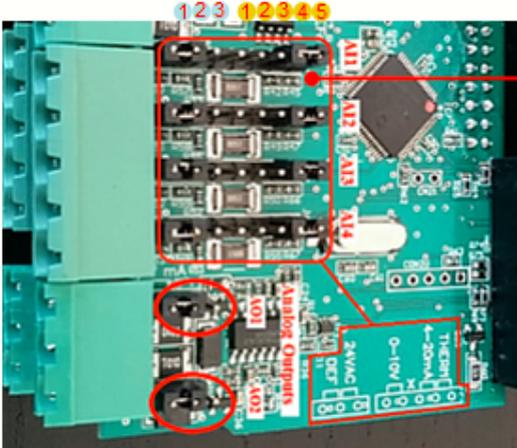Top board: Bottom board:

Analog input jumper settings:

The iPan adds a new capability, to configure inputs as 24VAC or 24VDC digital inputs, using an additional 3-pin jumper.
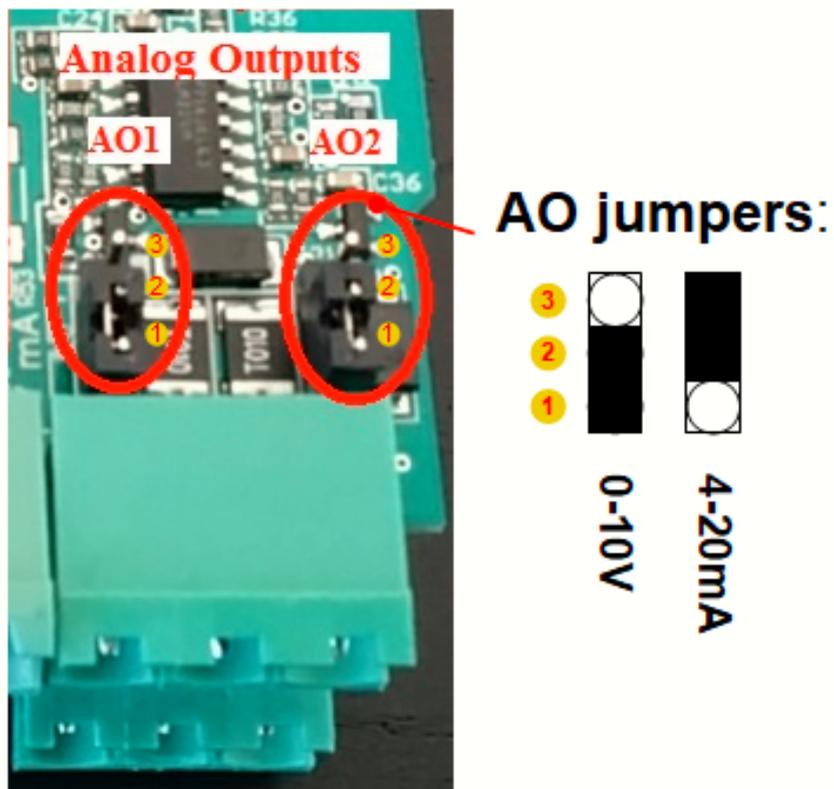
For normal operation (i.e. THERM, 4-20ma, 0-10VDC settings) the 3-pin jumper must be installed, AND must be in the default (DEF) position.

To configure inputs as 24VAC or 24VDC digital inputs, the 3-pin jumper must be removed or placed in the "24VAC" position, AND the 5-pin jumper must be in the 0-10V position.
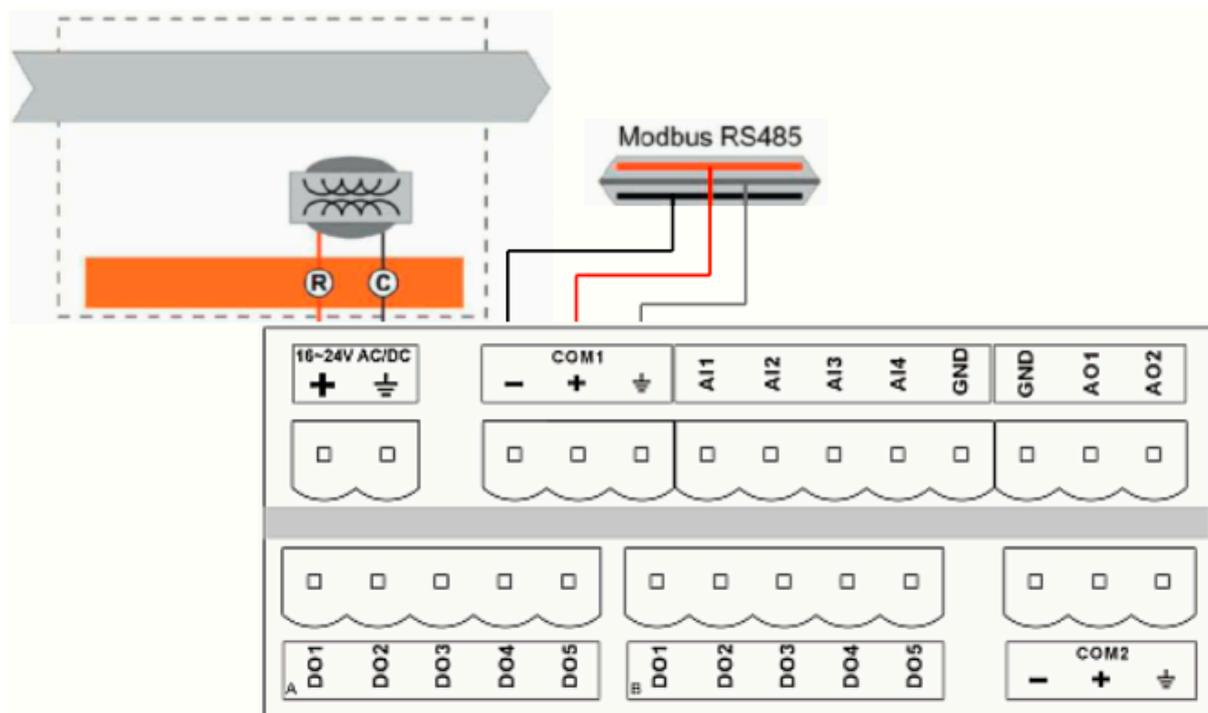
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Analog output jumper settings:

Wiring diagram:

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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.

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