

IQ41x Controller



OVERVIEW

The **IQ41x series of intelligent controllers** is designed for advanced unitary control systems and localised intelligent control of distributed plant. Full compatibility with other Trend IQ controllers enables the IQ41x to integrate the local environmental needs with the main air conditioning system in order to optimise both comfort and running costs.

KEY FEATURES

- **Ethernet 10/100 Mbps main network with TCP/IP protocol**
- **Trend current loop LAN option**
- **BACnet over IP option**
- **Small footprint with DIN rail mounting**
- **RS232 and USB local supervisor ports**
- **Soft addressing with Barcode addressing**
- **Features to directly replace IQ211, IQ212, and IQ7x series controllers**

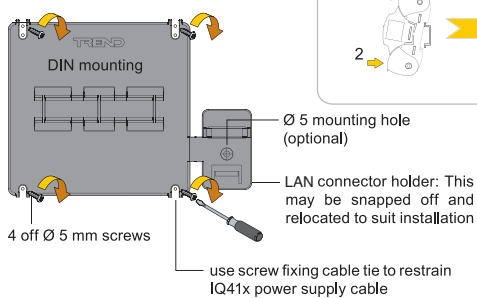
KEY BENEFITS

- **Reduced panel size**
With its small footprint IQ41x can be placed in smaller control panels, lending itself to confined space applications.
- **Reduced installation cost**
The IQ41x design meets the required DIN form for standard electrical devices and as such can be fitted within regular electrical enclosures thereby reducing installation costs.
- **Minimal retrofit time**
Directly compatible in terms of control capability and network technology with the IQ21x and IQ7x series. When used in conjunction with the mounting plate and cable extender accessory the IQ41x is a physical footprint match.
- **Cost effective means of controlling small distributed applications**
With an I/O count of up to 11 points and being fully programmable, the IQ41x can provide intelligent control of small items of plant. Ethernet connectivity can provide both local and remote visibility via a simple web browser, including graphical representation and control adjustments - password permitting.

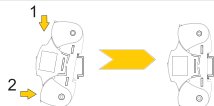
IQ21x or IQ7x Replacement instructions

Replacing IQ21x or IQ7x using IQ41x Adaptor Plate

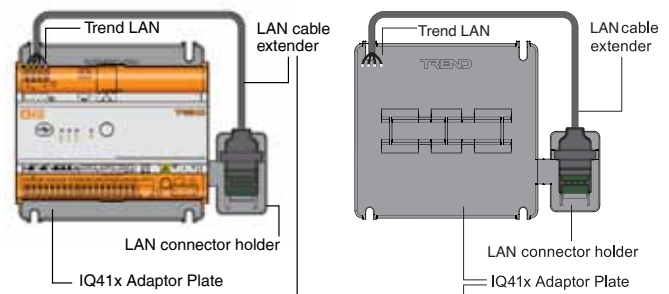
A Mount Plate using existing holes



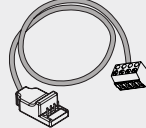
B Mount IQ41x on DIN rail clips



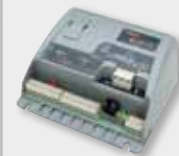
C Fit LAN cable extender if using current loop LAN



Cable extender:
450mm long



The IQ41x Adaptor Plate exactly matches the footprint of the previous IQ21x Controller



MINIMAL RETROFIT DISRUPTION

The IQ41x has the same I/O terminal allocation as the IQ21x and similar allocation to the IQ7x. The compatibility means existing units can be replaced either on a progressive basis (one at a time if necessary as they will control and function alongside legacy products), or en masse as required.

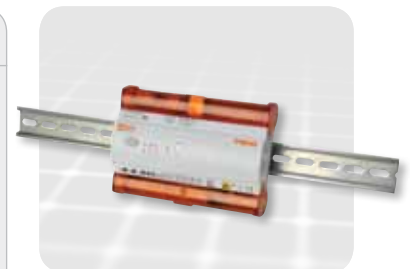


FIG.1
IQ41x with Standard DIN Mount



FIG.2
IQ41x with Adaptor Plate

ORDER CODE	DESCRIPTION
IQ411/24VAC	IQ411 24V Power Supply
IQ411/230	IQ411 230V Power Supply
IQ412/24VAC	IQ412 24V Power Supply
IQ412/230	IQ412 230V Power Supply
IQ411/LAN/24VAC	IQ411 with Trend LAN 24V Power Supply
IQ411/LAN/230	IQ411 with Trend LAN 230V Power Supply
IQ412/LAN/24VAC	IQ412 with Trend LAN 24V Power Supply
IQ412/LAN/230	IQ412 with Trend LAN 230V Power Supply
IQ411/BAC/24VAC	IQ411 with BACnet 24V Power Supply
IQ411/BAC/230	IQ411 with BACnet 230V Power Supply
IQ412/BAC/24VAC	IQ412 with BACnet 24V Power Supply
IQ412/BAC/230	IQ412 with BACnet 230V Power Supply
IQ41X ADAPTOR PLATE (IQ21X & IQ7X) X20	Mounting adaptor to facilitate simple upgrade
IQ41X LAN EXTENDER CABLE X20	LAN cable extender to facilitate simple upgrade

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TREND