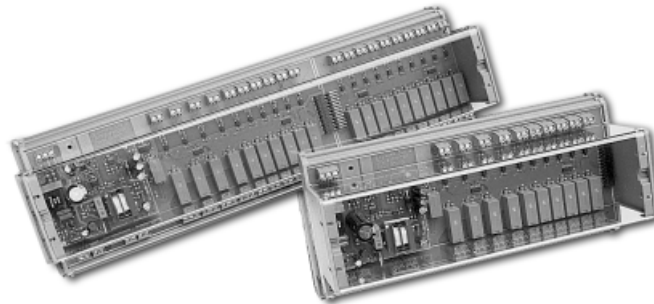


2000IO

MODEL

Features :

- **Compatibility with 3500/2604/2704 controllers**
- **Expands digital IO capability**
- **24Vdc isolated inputs**
- **Volt free relay outputs**
- **24Vdc transmitter supply**

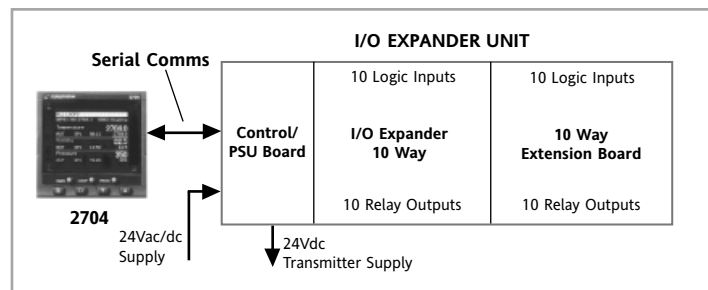


IO Expander Specification sheet

The Series 2000IO is a DIN rail mounting digital IO expansion unit. It is used in conjunction with the 3500/2604/2704 controllers to allow the number of digital IO points to be increased by a maximum of 20 inputs and 20 outputs.

Two product offerings are available allowing either 10 inputs/outputs or 20 inputs/outputs. Supply to the unit is 24Vac/dc.

Communication between the Series 2000IO and its host controller is performed serially via a propriety two wire interface.



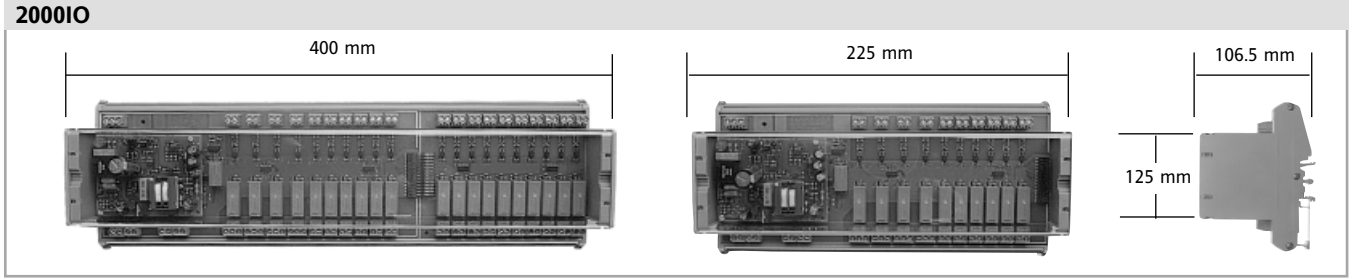
Logic inputs

All inputs are fully isolated and can either be driven by a voltage or a current signal. The guaranteed switch 'ON' level is 9Vdc @ 4mA and the switch off level is 2Vdc<0.5mA. Each logic input has a LED to indicate its active state. A 24Vdc supply rail is provided by the IO expander with a capacity to drive all of the inputs.

Relay outputs

All outputs are fully isolated. The 10 IO version consists of 4 changeover and 6 normal open contacts and the 20 I/O version has 4 changeover and 16 normally open contacts. The minimum switching contact voltage is 1 volt at 1mA with the maximum being 264Vac at 2A (resistive). Each logic output has a LED to indicate its active state.

DIMENSIONAL DETAILS



TECHNICAL SPECIFICATION

General

Supply	20.4 to 26.4Vdc
Sealing	20.4 to 28.8Vac. 48 to 62Hz
Weight	IP20 rated
Temperature and RH	10 way: 0.66kg, 20 way: 1.0kg
EMC standards	Operating 0 to 55°C, 5-95% RH non condensing Storage -10 to 60°C
Safety standards	EN50081-1 & EN50082-2 generic standards - suitable for domestic, commercial and light industrial as well as heavy industrial environments
Atmospheres	Meets EN61010 installation category II, pollution degree 2
Relay outputs	Not suitable for use above 2000m or in explosive or corrosive atmospheres

Relay outputs

10 way I/O version	4 change over contacts 6 normally open contacts
20 way I/O version	4 change over contacts 16 normally open contacts
Rating	Min 1Vdc, 1mA, max 264Vac,

Logic inputs

No. of inputs	20 max.
Current sinking	Active 9Vdc to 30Vdc @ 15mA Inactive 0 to 2Vdc @ <0.5mA

Transmitter supply

20 to 26.4Vdc at 200mA

Communications

Serial comms via a proprietary two wire interface:
Max cable length 10 metres

ORDERING CODE

Model Number	Supply	IO Set 1	IO Set 2
2000IO			

Supply	IO Set 1	IO Set 2
VL Low voltage	10LR 10 Logic in/ 10 Relay out	XXXX None fitted 10LR 10 Logic in/ 10 Relay out

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