

CONFIGURATION ADAPTOR

SERIES 2000

- **Configuration interface to Series 2000 controllers**
- **Instrument Comms module not required**
- **Secure configuration and back-up**
- **Cloning**
- **Power to controller not required**



This adaptor allows Eurotherm's iTools configuration software to communicate with Series 2000 controllers via the configuration port on the side of the controller. An RS232 cable connects the adaptor to a computer running iTools. The connection to the controller is made via a cable with a 5-pin 'clip' on the end. This clip locates in the sleeve of the controller and connects to five solder pads on the microprocessor board. This method can be used to configure all Series 2000 controllers without the need to fit a communications module in the controller.

The adaptor supplies +5V and +24V power to the controller electronics. Therefore, when using the adaptor, power must not be applied via the normal controller supply terminals.

The power cord, RS232 cable and controller connection cable are supplied with the adaptor.

Products supported are:

Controller models

- 2132 and 2116 miniature controllers
- 2216, 2208 and 2204 general purpose controllers
- 2216e, 2208e and 2204e general purpose controllers
- 2416, 2408 and 2404 temperature/process controllers and programmers
- 2408F and 2404F controllers and programmers with Profibus communications
- 2604 and 2704 Advanced 3-loop controllers including the Profibus versions
- 2500 Distributed control and data acquisition units, including the 8-loop units

Indicator models

- 2132i and 2116i miniature indicators and alarm units
- 2108i and 2408i Standard 1/8DIN indicators and alarm units



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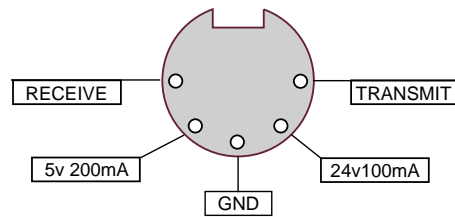
CONTROLS
PROCESS AUTOMATION
RECORDERS

Electrical connections

The RS232, 9-pin D type connections:

Pin 2	RX(PC)	Receive
Pin 3	TX (PC)	Transmit
Pin 5	Gnd	0Vdc
Pin 6	DSR	Data Set Ready
Pin 7	RTS	Ready to Send
Pin 8	CTS	Clear to Send

The signals coming out of the 5-pin DIN connector are shown below.



Config clip

Instrument operation

The front panel of the Configuration Adaptor has four beacons which indicate the state of the box at any given time.

The beacons function as follows:

TX - Blinks every time a message is sent from the computer to the box.

RX - Blinks every time the instrument sends a message through the box to the computer.

24V - On, when an instrument is properly connected and communicating. Only lights once "Connect" has been selected from iTools.

5V - On, when an instrument is properly connected and communicating. Only lights once "Connect" has been selected from iTools.

Product order code

CONFIG/ADAPTOR/2627/NONE
/UKCORD
/USCORD
/EUROCORD

Technical specification

Equipment rating

Supply voltage	110/115 or 220/240Vac -15%, +10% selectable by a switch
Supply frequency	48 or 62Hz ac
Power consumption	10 watts max.

Environmental ratings

Operating temperature	0 to 55°C
Relative humidity	5 to 95%, non condensing
Atmosphere	The unit is not suitable for use above 2000m or in explosive or corrosive atmospheres

Dimensions (mm) 155W x 98H x 265D

Weight 2150g

Electrical safety

The configuration station and the computer should be connected to a common single phase power source.

Safety

This unit meets the requirements of the European Directives on Safety and EMC.

This unit complies with the European Low Voltage Directive 73/23/EEC, amended by 93/68/EEC, by the application of the standard EN 61010.

Electromagnetic compatibility

This controller conforms with the essential requirements of the EMC Directive 89/336/EEC, amended by 93/68/EEC for light industrial and domestic environment as described by EN 50081-1 and EN 50082-1.

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