

EXDUL-142

USB Measuring and Control Adapter with 24 Programmable Digital Inputs and Outputs by TTL



24 TTL inputs/outputs

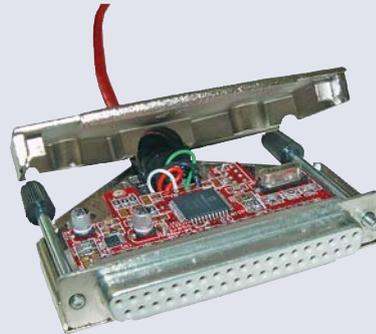
SPECIFICATIONS

The digital measuring and control adapter EXDUL-142 provides 24 programmable digital inputs and outputs of TTL level. The three I/O ports are programmable in groups of eight channels to be input or output. The third port is also programmable in two groups of 4 channels each.

The compact and absolutely robust metal casing integrates the entire control logic as well as the 37-pin Sub-D socket to connect to peripheral devices. Connection to a PC is made easily and conveniently Plug-and-Play via a USB interface also used for the required voltage supply.

Measuring and control logic

The absolutely robust and compactly designed metal housing contains the entire technology and all features for measuring and control tasks



Digital Inputs/Outputs

24 channel, TTL compatible grouped in three ports with each eight channels, one of the ports programmable in two groups with four channels to be input or output

Logic level: Low 0...1 V
 High 4...5 V

Output Current:

max. 5 mA (per each digital output)
max. 20 mA (all digital outputs summarized)

Operating Voltage

+5 V (supplied by the PC's USB socket)

Power Consumption

max. 100 mA

Connectors

1 * 37-pin Sub-D female socket
1 * USB plug Type A

USB Interface

USB 2.0 compatible

Dimensions

Metal housing with Sub-D socket:
72 mm x 58 mm x 15 mm
USB cable incl. plug: ca. 2.5 m

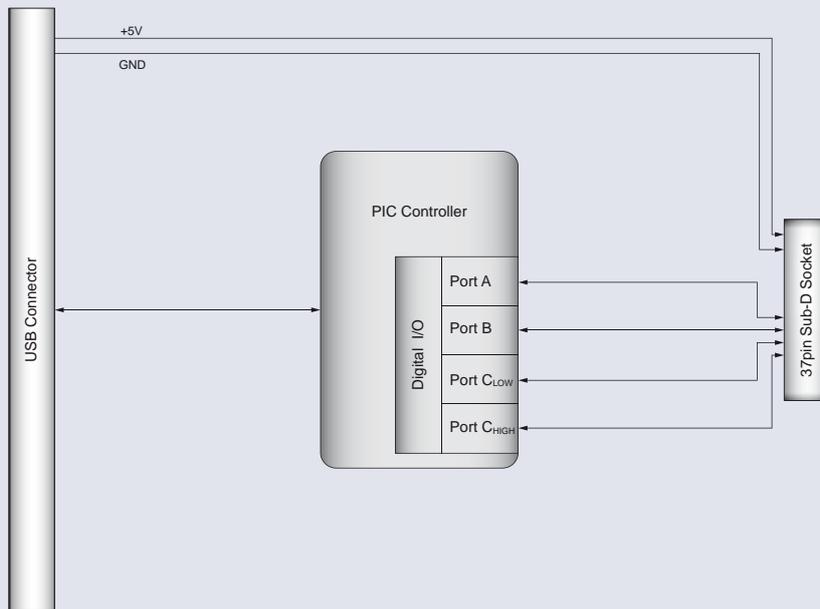
Casing

Compact EMV full metal casing made of zinc die-cast with silver surface and knurled screws for tightening, extremely robust and mechanically durable

APPLICATIONS

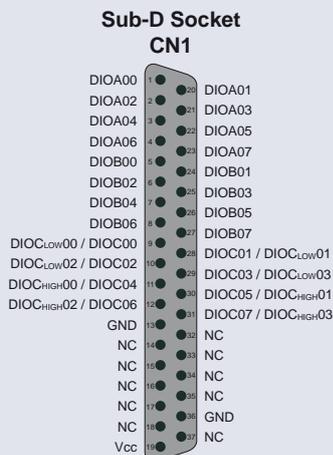
On/off events
Identification of contact states
Binary data acquisition
Process control
Data acquisition of BCD coded instruments

BLOCK DIAGRAM

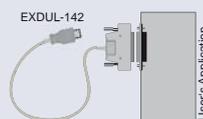


PIN ASSIGNMENT

24 programmable digital inputs/outputs are fed to the 37pin Sub-D female socket CN1. The PC's ground (GND) and the internal power supply are also fed to the Sub-D socket CN1 via the USB interface for other control tasks. Please pay attention to the maximum permissible current load of the USB port.



ASSEMBLY AND APPLICATION OPTIONS



PROGRAMMING

Driver installation from enclosed CD. The accompanying CD provides sample programs for Microsoft Visual C++, Microsoft Visual Basic 2005 and Microsoft Visual C# 2005

SCOPE OF DELIVERY

Measuring and control adapter EXDUL-142
German Description (English on request)
Examples for installation and programming

ORDER INFORMATION

EXDUL-142 EDP No. A-380060
USB Measuring and control adapter

SUITABLE ACCESSORIES

XMOD KLBD-S EDV-Nr. A-330600
Terminal block with a 37-pin screw clamp strip to connect to a 37-pin Sub-D socket of EXDUL-122 and EXDUL-142



For more detailed information about the here listed and other accessories we refer to the corresponding data sheets