Special Functions

USB Programming Adapter

AD-VarioPass 3

Description

The programming adapter AD-VarioPass 3 is a galvanic separated programming adapter, which is operated with the PC via an USB interface. With this USB programming adapter, the digital devices of the company Adamczewski can be parameterized. The AD-VarioPass 3 is simply connected to a free USB interface of the PC via the enclosed USB cable. The AD-VarioPass 3 has, on the secondary side, three device interfaces, which create the connection to the device with diverse cable connector, which are supplied. It has a jack plug (UART interface), via a double terminal (RS485 bus) and a pin connector (UART+interface). Dependent on the device, the correct interface is selected. Two or three interfaces must never be used simultaneously. For the correct function of the programming adapter, the suitable hardware driver must be installed. As soon as the driver is installed correctly, a virtual COM interface is established, via which the communication to the device is realised. To obtain access to the parameter of the connected device, it is recommended to install the free-of-charge configuration software AD-Studio. The current versions of the software and of the hardware driver can be downloaded from the download area of the homepage of the company Adamczewski. When installing the software AD-Studio, the hardware driver for the programming adapter AD-VarioPass 3 can also be installed. With the AD-VarioPass 3 and the configuration software AD-Studio, all digital Adamczewski devices can be parameterized.

Application

Access to all digital devices of the company Adamczewski from the PC.



Specific characteristics

- USB-port enables connection to a PC - galvanically isolated from:
- UART-port enables connection to relevant Adamczewski device
- RS485-port enables connection to relevant Adamczewski device
- UART+-port enables connection to relevant Adamczewski device

Business data

Order number

AD-VarioPass 3

Information

Downloads

Software	Konfigurationssoftware AD-Studio
Safety instructions	ad-safety-instructions.pdf

Technical specifications

PC connection / supply	
Voltage range USB	4,8 ... 5,2 V DC
Nominal voltage USB	5 V DC
Power consumption	< 1 W (depending on the output load)
Device interface 1	
UART	Standard UART device interface for the connection of most Adamczewski devices
Device interface 2	
RS485 BUS	RS485 bus-interface for connecting BUS-enabled devices
Device interface 3	
UART+	UART interface with integrated 5V supply
Housing	
Dimensions (WxHxD)	42x22x63 mm
Type of protection	IP 20
Connection method PC	USB interface
Connection method interface 1	stereo jack (UART)
Connection method interface 2	2-wire plug-in terminal (RS485)
Connection method interface 3	6-pin connector (UART+)
Weight	~ 50 g
Manner of fastening	hand-held case
Environmental conditions	
Ambient temperature	-10 ... 50 °C
Storage and transport	-10 ... 70 °C (no condensation)
EMC	
Product family standard	EN 61326-1 [1]
Emitted interference	EN 55011, CISPR11 Cl. B, Gr. 1
Electrical safety requirements	
Product family standard	EN 61010-1
Overvoltage category	II
Pollution degree	2
Galvanic isolation, test voltages	
USB to outputs	1 kV, 50 Hz (1 min.)
Protection circuits	
USB	electrical surge protection
RS485 bus interface	electrical surge protection

[1] During checking, slight signal deviations are possible.

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