

Indicating / Operating Module

AD-VarioControl
AD-VarioConnect

Description

The removable control modules AD-VarioControl are used to display measured values of a base device (transmitter, isolation amplifiers ...) with a relevant interface. After plugging in, which is also possible during operation of the base device without restrictions, the basic device is automatically read out and the corresponding measured value is displayed. In addition to the display function, access to the parameters and controller functions of the basic device is also possible. The parameter settings can be loaded into the control panel using the backup function and can be restored on a different base device of the same type.

Establishment of a transmitter is usually necessary only once in the operating period of a device, therefore a display and operating elements are not permanently necessary for each device. By using the AD-VarioControl in connection with compatible basic equipment, operating elements and displays on each individual device can be dispensed with. This way, the installed devices are tamper-proof and more cost-effective. The **AD-VarioConnect** has a fieldbus interface with the protocol Modbus-RTU via RS485. All measured values of the basic units are available above this.

Application

Control device to display and configuration of DIN rail devices with optional fieldbus.



Specific characteristics

- Removeable (hot-plugged)
- Store and restore of parameters
- LCD for display of different operating modes, lit in several colours (R/Y/B)
- Menu languages switchable to: German, English
- Simulation modus
- Fieldbus interface with Modbus RTU (AD-VarioConnect)

Business data

Order number

Control panel	AD-VarioControl
Control panel with RS485	AD-VarioConnect

Basic devices

Frequency measuring converter	AD-FM 255 GVD
Limit-Switch	AD-MK 350 GVD
Temperature Measuring Converter	AD-MV 550 GVD
Power measurement transducer	AD-LU 320 GVD / AD-LU 325 GVD
Power measurement transducer	AD-LU 620 GVF / AD-LU 625 GVF
Isolation amplifier	AD-TV 400 GVD
Isolation amplifier	AD-TV 420 GVD
AC Isolation Amplifier	AD-TV 588 GVD
Multifunction transducer	AD-VC 1 GVD

Technical specifications

Display

Type	LCD graphic
Dimensions (WxH)	18x13 mm
Resolution	42X56 Pixel
Lighting	RGB

Operation

Type	3 short-stroke keys
------	---------------------

RS485 Bus (Varioconnect)

Protocol	Modbus-RTU
Data format (default)	19200, e, 8, 1
Max. bus users	32
Bus termination	120 ohms both sides at the end
Max. length of bus	500 m (no stubs)
Cable	twisted and shielded

Supply

Supply voltage	5 DC
Max. power consumption	0,2 W

Housing

Dimensions (WxHxD)	20x86x14 mm
Dimensions with clamp	20x95x14 mm
Type of protection	IP 20
Weight	20 g

Environmental conditions

Ambient temperature	-10 ... 50 °C
Storage and transport	-10 ... 70 °C (no condensation)

EMC

Product family standard	EN 61326-1
Emitted interference	EN 55011, CISPR11 Cl. B, Gr. 1

Electrical safety requirements

Product family standard	EN 61010-1
-------------------------	------------

Galvanic isolation, test voltages (VarioConnect)

RS485-bus to basic device	1,5 kV
---------------------------	--------



ADAMCZEWSKI
Elektronische Messtechnik GmbH

Page 1/2

Printed 31.05.2023 We reserve the right for technical changes.

Felix-Wankel-Str. 13
Tel. +49 (0)7046-875
vertrieb@ad-messtechnik.de

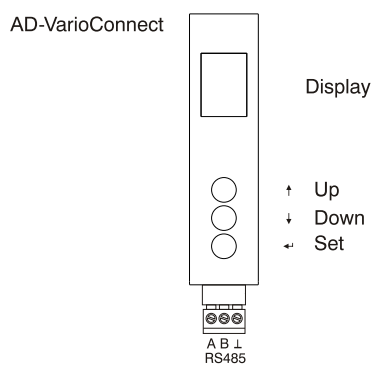
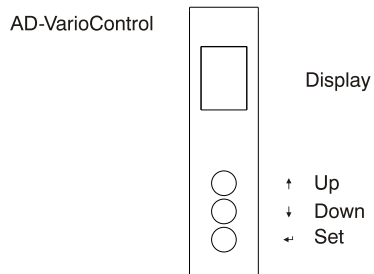
74374 Zaberfeld
Fax +49 (0)7046-7678
www.adamczewski.com

Indicating / Operating Module

AD-VarioControl

AD-VarioConnect

Block and wiring diagram



Dimensions

