



Digital C-Level Controller* E5AK-AA2-500 as position proportional with magnet valve for gas and air

Special features:

- **Self-optimizing
PID controller parameter (Fuzzy Logik)**
- **High accuracy (+-0,2%)**
- **Exchangeable output modules**
- **2 freely definable alarm outputs**
- **Ext. setpoint input 4...20 mA**
- **Modular structure**
- **Serial communications function to the
RS-232C or RS422 or RS-485
and transfer procedure (4...20 mA)**
- **Applicable as position proportional with
magnet valve for gas and air**

Technical Data:

Construction:

Plastic housing for control panel installation

Protection according:

Front panel: NEMA4 for indoor use
(IP66 equivalent)

Backside panel: IEC IP20

Clamps: IEC IP00

Dimensions:

96 x 96 x 115 mm (wxhxd)

Weight:

0,45 kg

Front panel cut-out:

92 x 92 mm (wxh)

Connection:

Screw connection

Wire cross section: max. 2,5 mm

Auxiliary Voltage:

100 to 240 Vac, -15 +10 %, 50/60 Hz

Power consumption:

approx. 16 VA

Climate:

Storage : -25...+65 °C

Operation: -10...+50 °C

35 to 85 % relative humidity, non condensing

- * **C-Level controlling in connection with
intelligent transmitter Carbo 15 or Carbo 47.**

messen - steuern - automatisieren - messen - steuern - automatisieren - messen - steuern - automatisieren

Technical Data:

Displays:

2 four-digit, 7-segment displays for PV and SV

Digit height:

PV = 15 mm red

SV = 11 mm green

Output 1:

Direkt connection with Carbo 15 or Carbo 47

Output 2:

Remote setpoint 4...20 mA ($R_i = 150 \text{ Ohm}$)

Controller output:

- Relay output (potential free contact, approx. 250 Vac, 3 A) type adjusting motor controller

Alarm output:

2 alarm outputs

with respectively 11 differs alarm mode

Setting type:

Digital setting with function keys

Other features:

- Key locking
- Sensor adjustment
- Setpoint shift
- Output selectable for normal and reverse operation
- Upper and lower limit value for the setpoint
- Three-point controller configuration

Functions:

- Manual mode
- Setpoint-Limiter
- Input digital filter
- Input shift
- Run / Stop
- Security

Options:

- Controller output modules
- Interface modules
- dig. Inputs (for approx. 4 Setpoints)

All specifications subject to change without prior notice.