



Digital Dewpoint Controller DGTP-5AK as position proportional with gas generators

Special features:

- Programmable digital controller for gas generators
- Applicable as position proportional (three point step) or two point controller
- High accuracy ($\pm 0,2\%$)
- Modular structure
- Output units changeable
- Up to 2 programmable alarm outputs
- Input 4...20 mA for external setpoint input
- Optional with process value output 4...20 mA
- Confirms to EMC and safety standards of CE
- Serial communication functions to the RS-232C or RS422 or RS-485 and transfer procedure (4...20 mA)

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

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 L-probe

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)
- type two-point or three-point controller (depending on the built-in module):
 - relay output (potential free contact)
 - voltage output (aktiv, puls, 12 Vdc or 24 Vdc [NPN] / 24 Vdc [PNP])
 - current output (constant 4...20 mA or 0...20 mA)
 - voltage output (constant 0...5 Vdc or 0...10 Vdc)

Alarm output:

approx. 3 alarm outputs (two-point-controller) respectively 2 (three-point and adjusting motor controller) with 11 differs Alarmmodi

Setting type:

Digital setting with funktion keys

Other features:

- Key locking
- Sensor adjustment
- Setpoint shift
- Upper and lower limit value for the setpoint

Functions:

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

Options:

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

Needed Accessories:

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Optional Accessories:

- MK2.1
- L-Probe
- NTV44TP

All specifications subject to change without prior notice.