DTP Baltic

CONTROL SYSTEM COMPONENTS

Speed controllers / Pressure controllers / PTC heaters / Temperature sensors

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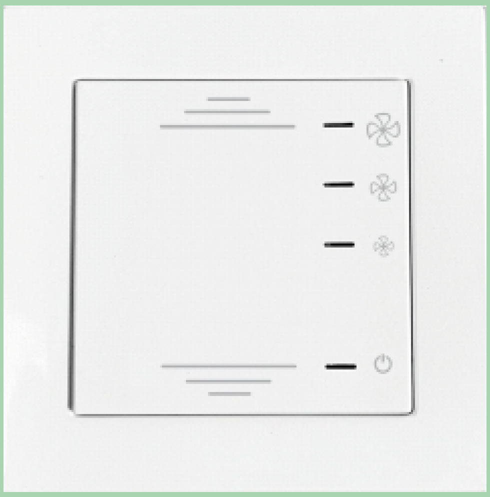
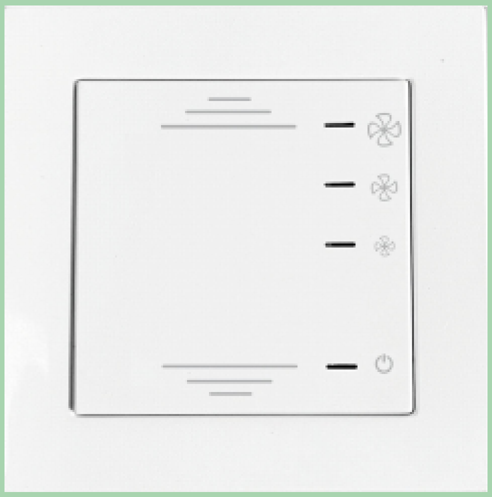
Potentiometer speed controller P01-ST3-LED-F



Technical data
- Power supply: 10VDC - 24VD
- Setting range: 0..10KOhm
- Output voltage: 0-10VDC
- Switch rating: 4A/250VAC, 10A/12VDC
- Filter pollution indicator
- Protection class IP44

Type	Supply voltage (V)	Output voltage (A)	Switching
PO1-ST3-LED-F	10VDC - 24VD	0..10VDC	4A/250V AC

Potentiometer speed controller P01-ST3-LED



Technical data
- Power supply: 10VDC - 24VD
- Setting range: 0..10KOhm
- Output voltage: 0-10VDC
- Switch rating: 4A/250VAC, 10A/12VDC
- Protection class IP44

Speed controller **P01-ST3-LED** is designed to control fans with EC motors where is required DC control signal. Alternatively, a set-point (external set-point) can be preset through the buttons UP-DOWN.

Type	Supply voltage (V)	Output voltage (A)	Switching
PO1-ST3-LED	10VDC – 24VD	0..10VDC	4A/250V AC

Electronic speed controller BA..

Technical data
- Supply voltage (Us) 230 VAC ±10 % / 50 Hz
- Maximum speed range (Vmax.) 75—100 % of Us
- Minimum speed range (Vmin.) 20—70 % of Us
- With thermal contact for motor protection
- Ambient conditions
- Temperature 0—40 °C
- Relative humidity 5—95 % rH (non-condensing)
- Protection standard
- Surface mounting IP54 (according to EN 60529

Electronic fan speed controllers, with MCU /32 bit microcontroller/which allow you to manually adjust the rotational speed of single-phase AC motors by varying the motor voltage through phase angle control. The output can be regulated from minimum to maximum or from maximum to minimum. The operating mode can be selected via Modbus RTU communication. The output voltage can be set locally via the built-in potentiometer or remotely via Modbus RTU communication. The controller is suitable for surface mounting (IP54). All parameters and settings can be adjusted via Modbus RTU communication.

Electronic speed controller BA-T..

Technical data

- Supply voltage (Us) 230 VAC ±10 % / 50 Hz
- Maximum speed range (Vmax.) 75—100 % of Us
- Minimum speed range (Vmin.) 20—70 % of Us
- With thermal contact for motor protection
- Ambient conditions
- Temperature 0—40 °C
- Relative humidity 5—95 % rH (non-condensing)
- Protection standard
- Surface mounting IP54 (according to EN 60529

Electronic fan speed controllers, with MCU /32 bit microcontroller/which allow you to manually adjust the rotational speed of single-phase AC motors by varying the motor voltage through phase angle control. The output can be regulated from minimum to maximum or from maximum to minimum. The operating mode can be selected via Modbus RTU communication. The output voltage can be set locally via the built-in potentiometer or remotely via Modbus RTU communication. The controller is suitable for surface mounting (IP54). All parameters and settings can be adjusted via Modbus RTU communication.

Type	Current (A)	Supply voltage (V)	Fuse quick (A)
BA-T4.0	4,0	230	4,0
BA-T6.0	6,0	230	6,0
BA-T10.0	10,0	230	10,0

Fan speed controllers OZ..

Technical data

- Supply voltage (Us) 230 VAC ±10 % / 50 Hz
- Maximum speed range
- Minimum speed range
- Ambient conditions
- Temperature 0—40 °C
- Relative humidity 5—95 % rH (non-condensing)

Electronic fan speed controllers with MCU/processor cores/, which allow you to manually adjust the rotational speed of single-phase AC motors by varying the motor voltage through phase angle control. The output can be regulated from minimum to maximum or from maximum to minimum. The output voltage can be set locally via the built-in potentiometer. The controller is suitable for surface mounting

- Infinitely variable speed control
- Overheating protection
- Variable speed control from low to high speed or from high to low speed
- Adjustable minimum and maximum speed via potentiometer
- Inset or surface mounting
- Fan speed can be set locally or remotely via potentiometer
- Fan speed can be set locally or remotely via potentiometer
- Regulated output current: 1,5 A, 2,5 A, 3,0A (depending on the chosen version)
- Manual control of the motor / fan speed in HVAC applications

Type	Current (A)	Supply voltage (V)	Fuse quick (A)
OZ1.5	1,5	230	2,0
OZ2.5	2,5	230	3,2
OZ3.0	3,0	230	4,0

Electronic speed controllers VRE

Electronic speed controllers VRE..R-H

Electronic speed controllers VRE..P-L-S

Electronic speed controllers VRE..S/H

Electronic speed controllers VRE-L..S/H

Electronic speed controllers VRE-T..

Type	Voltage (V)	Current (A)	Control from Min to Max	Control from Max to Min	Push on/off	Rotate on/off	LED	Surface	Fixed
VRE 1.0S	230	1.0	x			x		x	x
VRE 1.5S	230	1.5	x			x		x	x
VRE 2.0S	230	2.0	x			x		x	x
VRE 2.5S	230	2.5	x			x		x	x
VRE 4.0S	230	4.0	x			x		x	x
VRE 1.0H	230	1.0		x		x		x	x
VRE 1.5H	230	1.5		x		x		x	x
VRE 2.0H	230	2.0		x		x		x	x
VRE 2.5H	230	2.5		x		x		x	x
VRE 4.0H	230	4.0		x		x		x	x
VRE-L 1.0S	230	1.0	x		x		x	x	x
VRE-L 1.5S	230	1.5	x		x		x	x	x
VRE-L 2.0S	230	2.0	x		x		x	x	x
VRE-L 2.5S	230	2.5	x		x		x	x	x
VRE-L 1.0H	230	1.0		x	x		x	x	x
VRE-L 1.5H	230	1.5		x	x		x	x	x
VRE-L 2.0H	230	2.0		x	x		x	x	x
VRE-L 1.0H	230	2.5		x	x		x	x	x
VRE-T4.0	230	4.0	x			x	x	x	
VRE-T6.0	230	6.0	x			x	x	x	
VRE-T10.0	230	10.0	x			x	x	x	
VRE2500R-H	230	1.5		x		x		x	x
VRE2500R-H	230	2.5		x		x		x	x
VRE1500P-L-S	230	1.5	x		x		x	x	x
VRE2500P-L-S	230	2.5	x		x		x	x	x

Potenciometers for EC fans and switches

Potentiometer for EC fans PO.

Speed step switches SS..

Speed step switches SSN-2

Type	Voltage (V)	Output voltage (A)	Switch rate
PO1	3-12 DC	0..10VDC	4A/250V AC
PO2	3-12 DC	0..10VDC	4A/250V AC
PO-MT	230 AC	0..10VDC	4A/250V AC
SS3	230	3A/230VAC	3A/230VAC
SS4	230	3A/230VAC	3A/230VAC
SSN3	230	3A/230VAC	3A/230VAC

Transformer speed controllers TRV

Transformer speed controllers TRV..

Transformer speed controllers TRV..

Type	Voltage (V)	Current (A)	Push on/off	5 steps
TRV0.6	230	0.6	x	x
TRV1.5	230	1.5	x	x
TRV2.2	230	2.2	x	x
TRV3.0	230	3.0	x	x
TRV4.0	230	4.0	x	x
TRV5.0	230	5.0	x	x
TRV7.0	230	7.0	x	x
TRV11.0	230	11.0	x	x
TRV14.0	230	14.0	x	x

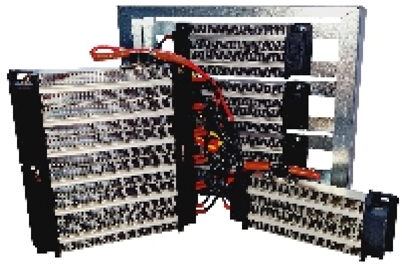
Transformer speed controllers TRT..

Transformer speed controllers TRV..

Transformer speed controllers TRV..

Type	Voltage (V)	Current (A)	5 Steps
TRT 1.0	400	1	x
TRT 2.0	400	2	x
TRT 3.0	400	3	x
TRT 4.0	400	4	x
TRT 5.0	400	5	x
TRT 7.0	400	7	x
TRT 11.0	400	11	x
TRT 14.0	400	14	x

Electric duct heaters EBPTC



Type	Supply Voltage (V)	Power 0.5kW	Power 1.0kW	Power 1.5kW	Casing diameter (mmxmmxmm)
EBPTC..	230	x	x	x	On request

Electric duct hetaers EBPTC

Surface and duct temperature sensors

Duct temperature sensor DS..

Surface temperature sensors STS..

Type	Thermistor type	Sensor insertion length (mm)	Temperature range (°C)	Cable length (m)	Fixing flange
DS..	NTC10	100.0	-40°C..+80°C	0.1-15.0	x
STS..	PT1000	100.0	-40°C..+90°C	0.1-15.0	

Pressure switches DPR

Diferential pressure switches DPR..

Diferential pressure switches accessories

Type	Pressure range (Pa)	Differential (Pa)
DPR200	20-200Pa	10
DPR300	30-300Pa	10
DPR500	50-500Pa	20
DPR1000	100-1000Pa	100
DPR2500	500-2500Pa	150

Frost protection thermostats

Frost protection thermostat ET55-..

Type	Capillary length (m)	Accessory set
ET55-3	3	x
ET55-6	6	x

Pressure transmitters

Diferential pressure transmitter DPT11..

Diferential pressure transmitter DPT11..

Type	Pressure range (Pa)	Display	Output
DPT110-OB	-1000~1000Pa	x	4~20mA(2-wires)
DPT110-OC	-1000~1000Pa	x	0~10VDC(3-wire)
DPT110-OE	-1000~1000Pa	x	E=RS-485
DPT110-NB	-1000~1000Pa		4~20mA(2-wire)
DPT110-NC	-1000~1000Pa		0~10VDC(3-wire)
DPT110-NE	-1000~1000Pa		E=RS-485
DPT111-OB	-3400~3400Pa	x	4~20mA(2-wires)
DPT111-OC	-3400~3400Pa	x	0~10VDC(3-wire)
DPT111-OE	-3400~3400Pa	x	E=RS-485
DPT111-NB	-3400~3400Pa		4~20mA(2-wire)
DPT111-NC	-3400~3400Pa		0~10VDC(3-wire)
DPT111-NE	-3400~3400Pa		E=RS-485
DPT112-OB	-10000~10000Pa	x	4~20mA(2-wire)
DPT112-OC	-10000~10000Pa	x	0~10VDC(3-wire)
DPT112-OE	-10000~10000Pa	x	E=RS-485
DPT112-NB	-10000~10000Pa		4~20mA(2-wire)
DPT112-NC	-10000~10000Pa		0~10VDC(3-wire)
DPT112-NE	-10000~10000Pa		E=RS-485
DPT116-OB	-100~100Pa	x	4~20mA(2-wire)
DPT116-OC	-100~100Pa	x	0~10VDC(3-wire)
DPT116-OE	-100~100Pa	x	E=RS-485
DPT116-NB	-100~100Pa		4~20mA(2-wire)
DPT116-NC	-100~100Pa		0~10VDC(3-wire)
DPT116-NE	-100~100Pa		E=RS-485

Co2 transmitter CDT201.. (Indoor type)

Output type

- According to the mark
- According to the mark
- Accuracy±40ppm(3%F.S)
- Average current：smaller than 40mA
- Working temperature：-10~50
- Preheat time：2min, maximum accuracy：10min
- Working voltage：10~30V(0~10V output requires 16~30V power supply)

This series adopt new infrared verification technology for CO2 concentration measurement. It has the characte-ristics of quick response, stable performance, wide power supply range and high enclosure protection level, available for various harsh conditions on site.

Type	Range (ppm)	Output [V]	Display
CDT201-1-V10- CO2	2000,0	0~10	NO

Co2 transmitter CDT202 (Duct type)

Technical data

- Measurement range: refer label
- Product accuracy :(±40ppm± 3% MV) PPM
- Sensor: NDIR sensor with ABC self-verification function
- Average current: < 40mA
- Response time (T90): 2min
- Power supply voltage: 10~30VDC (16~30VDC when 0~10V output)
  Protection class: IP65 for housing/IP30 for probe

The CDT series CO2 transmitter is based on the different absorption capabilities of different gas for specific wavelengths of infrared light. It measures the concentration of the gas by the infrared light absorption. Com-pared with electro-chemical sensors, it has the characteristics of long life and good stability. The imported high performance NDIR sensor, is with rapid response, stable performance; It is also with wide power supply range, flexible flange installation positions.

Type	Range (ppm)	Output [V]	Display
CDT202-1-V10-CO2	2000,0	0~10	NO

Type	Indoor type	Duct type	Output	Measurment range
CDT201-1-V10- Co2	x		0~10V	2000 ppm
CDT201-1-A4- Co2	x		4~20mA	2000 ppm
CDT201-1-RS- Co2	x		RS485/Modbus	2000 ppm
CDT202-1-V10-CO2		x	0~10V	2000 ppm
CDT202-1-A4-CO2		x	4~20mA	2000 ppm
CDT202-1-RS-CO2		x	RS485/Modbus	2000 ppm

Temperature and humidity transmitter THT101.. (Wall mounted)

Technical data
- Temperature and humidity accuracy : ±3%RH(0.3℃)
- Humidity output: 0~10VDC(3 wire)
- Temperature output: NTC10K, ±0.4℃@25℃
- Temperature range: -20~60℃
- Protection class: IP65

THT10..series temperature and humidity transmitter is a transmitter specially designed for industrial applications. It has three installation methods: wall-mounted, pipeline, and split. The three output modes of current, voltage, and RS485 are optional. The on-site adaptability is strong, and the terminal design is suitable for rapid installation. It can be widely used in computer rooms, HVAC, buildings, storage vegetable greenhouses, farms and other places where temperature and humidity measurement is required.

Type	Humidity output	Temperature range (℃)	Display
THT101-3-V10-6-2-1	0~10VDC	-20~60	YES

Duct temperature and humidity transmitter THT10.. (Duct type)

Technical data
- Temperature and humidity accuracy : ±3%RH(0.3℃)
- Humidity output: 0~10VDC(3 wire)
- Temperature output: PT1000
- Temperature range: -20~60℃
- Protection class: IP65

THT10.. series temperature and humidity transmitter is a transmitter specially designed for industrial applications. It has three installation methods: wall-mounted, pipeline, and split. The three output modes of current, voltage, and RS485 are optional. The on-site adaptability is strong, and the terminal design is suitable for rapid installation. It can be widely used in computer rooms, HVAC, buildings, storage vegetable greenhouses, farms and other places where temperature and humidity measurement is required.

Type	Humidity output	Temperature range (℃)	Display
THT102-3-V10-0-2-0	0~10VDC	-20~60℃	NO

Type	Wall mounted	Duct type	Tepmerature and Humididy accuracy	Humidity output	Temperature output	Temperature range	Optional with or without LCD display
THT101-3-V10-V10-2-1/0	x		±3%RH(0.3°C)	0~10VDC	0~10VDC	-20~60C	x
THT101-3-V10-A4-2-1/0	x		±3%RH(0.3°C)	0~10VDC	4~20mA	-20~60C	x
THT101-3-V10-RS-2-1/0	x		±3%RH(0.3°C)	0~10VDC	RS485/Modbus	-20~60C	x
THT101-3-V10-0-2-1/0	x		±3%RH(0.3°C)	0~10VDC	PT1000	-20~60C	x
THT101-3-V10-6-2-1/0	x		±3%RH(0.3°C)	0~10VDC	NTC10K	-20~60C	x
THT101-3-A4-V10-2-1/0	x		±3%RH(0.3°C)	4~20mA	0~10VDC	-20~60C	x
THT101-3-A4-A4-2-1/0	x		±3%RH(0.3°C)	4~20mA	4~20mA	-20~60C	x
THT101-3-A4-RS-2-1/0	x		±3%RH(0.3°C)	4~20mA	RS485/Modbus	-20~60C	x
THT101-3-A4-0-2-1/0	x		±3%RH(0.3°C)	4~20mA	PT1000	-20~60C	x
THT101-3-A4-6-2-1/0	x		±3%RH(0.3°C)	4~20mA	NTC10K	-20~60C	x
THT101-3-RS-V10-2-1/0	x		±3%RH(0.3°C)	RS485/Modbus	0~10VDC	-20~60C	x
THT101-3-RS-A4-2-1/0	x		±3%RH(0.3°C)	RS485/Modbus	4~20mA	-20~60C	x
THT101-3-RS-RS-2-1/0	x		±3%RH(0.3°C)	RS485/Modbus	RS485/Modbus	-20~60C	x
THT101-3-RS-0-2-1/0	x		±3%RH(0.3°C)	RS485/Modbus	PT1000	-20~60C	x
THT101-3-RS-6-2-1/0	x		±3%RH(0.3°C)	RS485/Modbus	NTC10K	-20~60C	x
THT102-3-V10-V10-2-1/0		x	±3%RH(0.3°C)	0~10VDC	0~10VDC	-20~60C	x
THT102-3-V10-A4-2-1/0		x	±3%RH(0.3°C)	0~10VDC	4~20mA	-20~60C	x
THT102-3-V10-RS-2-1/0		x	±3%RH(0.3°C)	0~10VDC	RS485/Modbus	-20~60C	x
THT102-3-V10-0-2-1/0		x	±3%RH(0.3°C)	0~10VDC	PT1000	-20~60C	x
THT102-3-V10-6-2-1/0		x	±3%RH(0.3°C)	0~10VDC	NTC10K	-20~60C	x
THT102-3-A4-V10-2-1/0		x	±3%RH(0.3°C)	4~20mA	0~10VDC	-20~60C	x
THT102-3-A4-A4-2-1/0		x	±3%RH(0.3°C)	4~20mA	4~20mA	-20~60C	x
THT102-3-A4-RS-2-1/0		x	±3%RH(0.3°C)	4~20mA	RS485/Modbus	-20~60C	x
THT102-3-A4-0-2-1/0		x	±3%RH(0.3°C)	4~20mA	PT1000	-20~60C	x
THT102-3-A4-6-2-1/0		x	±3%RH(0.3°C)	4~20mA	NTC10K	-20~60C	x
THT102-3-RS-V10-2-1/0		x	±3%RH(0.3°C)	RS485/Modbus	0~10VDC	-20~60C	x
THT102-3-RS-A4-2-1/0		x	±3%RH(0.3°C)	RS485/Modbus	4~20mA	-20~60C	x
THT102-3-RS-RS-2-1/0		x	±3%RH(0.3°C)	RS485/Modbus	RS485/Modbus	-20~60C	x
THT102-3-RS-0-2-1/0		x	±3%RH(0.3°C)	RS485/Modbus	PT1000	-20~60C	x
THT102-3-RS-6-2-1/0		x	±3%RH(0.3°C)	RS485/Modbus	NTC10K	-20~60C	x

Programmable Heating Thermostat EKT WiFi

Technical data

- Power supply: 90-240Vac, 50/60Hz
- With WiFi
- Load current: 3A (water heating); 16A (electric heating)
- Accuracy: ±0.5
- Set-point temperature range: 5°C -35°C
- Limit temperature range: 1°C -70°C
- Consumption: <0.3W
- Temperature sensor: NTC(10k)1%
- Dimensions: 86*86*27mm (H*W*D)

Programmable heating thermostat EKT is used to control motorized ball valve, motorized valve, thermal valve, selenoid valve, heater, electric heating film, electric heating carbon crystal. Thermostat can be used for floor heating. EKT has large LCD touch screen with blue backlight and double temperature mode. Thermostat has time display (minutes, hours weeks). 6 period programmable controlling temperature setting, internal and external temperature sensor choice. Memory function protects users settings from power failure. *Set includes floor heating sensor!

Type	Temperature sensor	Temperature range (°C)	Display
Programmable Heating thermostat EKT WiFi	NTC	-20~60°C	Yes

Programmable Heating Thermostat EKT

Technical data

- Power supply:AC200-240V, 50/60Hz (can customize 110V, 24V, 12V)
- Load current: 3A (water heating); 16A (electric heating)
- Accuracy: ±0.5
- Temperature range□-20~60□
- Set-point temperature range: 5°C -35°C
- Limit temperature range: 5°C -99°C
- Consumption: <0.3W
- Temperature sensor: NTC
- Dimensions: 86*86*17mm (H*W*D)

Programmable heating thermostat EKT is used to control motorized ball valve, motorized valve, thermal valve, selenoid valve, heater, electric heating film, electric heating carbon crystal. Thermostat can be used for floor heating. EKT has large LCD touch screen with blue backlight and double temperature mode. Thermostat has time display (minutes, hours weeks). 6 period programmable controlling temperature setting, internal and external temperature sensor choice. Memory function protects users settings from power failure. *Set includes floor heating sensor!

Type	Temperature sensor	Temperature range (°C)	Display
Programmable Heating Thermostat EKT 2 (White)	NTC	-20~60°C	Yes
Programmable Heating Thermostat EKT 4 (Black)	NTC	-20~60°C	Yes

Electric Heating Thermostat MKT-5

Technical data

- Power supply: 220VAC ± 10%,50/60HZ
- Accuracy: ±1℃
- Load Current:<1A(GA
- Size: 84x84x30mm
- Range:10.0℃~30℃
- Shell: PC+ABS
- Indicator: LED light for heating status.

The MKT-5 series Electric Heating Thermostat is designed to control on/off operation of motorized valves or heating equipment using an NTC sensor. It features a simple rotary knob for easy temperature setting. When the room is 1°C lower then the set-point , the thermostat activates the heating device or valve . When the temperature reaches the set-point , the device is turned off.

Type	Range	Power supply	LED Indicator
Electric Heating Thermostat MKT-5	-10~30°C	220V	Yes

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