

Duct Sensor Humidity / Temperature

For measuring the relative or absolute humidity and temperature in duct applications. The measured values and absolute humidity, dewpoint and enthalpy are transmitted over BACnet MS/TP. Temperature and relative humidity are available as 0 to 5/10 VDC outputs.



22DTH-56M





Type Overview

	Туре	Output Signal	Output Signa Active Temperature	Active Humidity		
	22DTH-56M	BACnet	DC 05 V, DC 010 V	DC 05 V, DC 010 V	-	
Technical Data						
Electrical Data	Power Supply DC		15.	24 V, ±10%, 0.7 W		
	Power Supply AC Electrical Connection Cable Entry			24 V, ±10%, 1.8 VA		
				removable spring loaded terminal block max. 11 GA [2.5 mm²]		
				cable gland M20 2 x Ø6 mm, with strain relief 2 x Ø6 mm, 1/2" conduit adapter included		
Functional Data	Sensor Technology Communicative control			polymer capacitive sensor with stainless steel wire mesh		
				BACnet MS/TP (Details see seperate document "Sensor BACnet PICS")		
	Output Signal Active Note		out	output DC 0 to 5/10 V selectable with switch		
	Media		air			
Measuring Data	Measured Values Measuring Range Humidity Measuring Range Temperature Settings		rela dev ent	temperature relative humidity dew point enthalpy absolute humidity		
				0 to 100% RH selectable via BACnet		
			sel Att res	-30°F to 195°F [-35°C to 90°C] selectable via BACnet Attention: max. measuring temperature is restricted by max. medium temperature (see Safety data)		
	Measuring Range Absolute Humidity			0 to 80 g/m³ selectable via BACnet		
	Measuring Range Enthalpy			0 to 85 kJ/kg selectable via BACnet		
	Measuring Range Dew Point			0°F to 200°F [-20°C to 80°C] selectable via BACnet		
	Accuracy Humidity		±29	±2% between 10 to 90% RH @ 70°F [21°C]		
	Accuracy Temperature		±0.	±0.9°F @ 77°F [±0.5°C @ 25°C]		
	Operating Con	dition Air Flow	ma	x. 40 ft/s [12 m/s]		
Materials	Cable Gland			6, black		
	Housing		Y6 bas Y6	ver: lexan, Belimo ora OR se: lexan, Belimo orar OR al: 0467 NBR70, black	nge NCS S0580-	

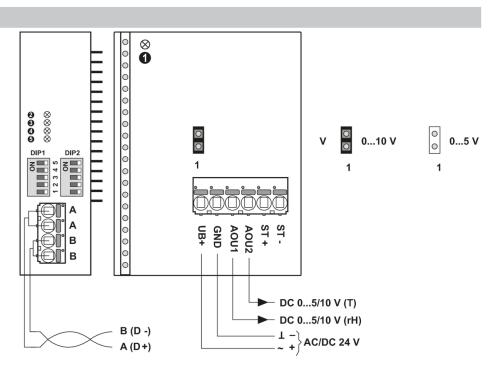
BELI	MO®

Sensor Datasheet

connect to live/operating equipment. Please comply with Local laws, health & safety regulations, technical standards and regulations Condition of the device at the time of installation, to ensure safe installation This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage can be taken into consideration, for reasons of production engineering. Transducers 0 to 10 V / 4 to 20 mA have a standard setting at an operating voltage of DC 24 V. That means, that at this voltage, the expected measuring error of the output signal will be the least. For other operating voltages, the offset error will be increased by a changing power loss of the sensor					
Medium Temperature -30°F 19 160°F [-35°C to 70°C] Operating Condition Air Flow max. 40 0ts 1(1 ms) Protection Class IEC/EN Ill is adrey varia-dw volge (adv) Protection Class IEC/EN Ill is adrey varia-dw volge (adv) EU Conformity CE Marking Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2.13 Degree of Protection IEC/EN IP65 Degree of Protection IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2.13 Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2.13 Degree of Protection NEMA/ UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized presonnel. Degree of Protection NEMA VUL NeuMonton Vite Vite Vite Vite Vite Vite Vite Vite	Safety Data	Ambient Humidity	85% RH non-condensing		
Operating Condition Air Flow max: 40 ft/s [12 m/s] Protection Class (EC/EN III safety extra-flow voltage (selv) Protection Class UL UL Class 2 Supply EU Conformity CE Marking Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2:13 Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2:13 Certification UL pending Degree of Protection NEMA/UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or if the angulations Please comply with effor gaulations, technical standards and regulations • Condition of the device at the time of installation, to ensure safe installation • The idea sheet and installation manual Remarks Build-up of Self-Heating by Electrical Emperature sensors with electronic components always have a dissipative power which affects the transe at power increase with inegree sheet and installation manual Application Notice for Humidity Sensorese		Ambient Temperature	-30°F to 120°F [-35°C to 50°C]		
Protection Class IEC/EN III safety extra-low voltage (selv) Protection Class UL UL Class 2 Supply EU Conformity CE Marking Certification UL pending Degree of Protection IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2-13 Certification UL pending Degree of Protection NEMA/ UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a fully mean beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with • 1 Coal laws, feath & Safety regulations, technical standards and regulations • 1 concal laws, feath & Safety regulation, manual Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the anbinet grow rule in active temperature sensors shows a linear increase with rising operating voltage. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. The dissipation in active temperature dissipatite prover which affects the temperature measur		Medium Temperature	max. 40 ft/s [12 m/s]		
Protection Class UL UL Class 2 Supply EU Conformity CE Marking Certification IE/CEN IE/CEN 60730-1 and IE/CEN 60730-2-13 Certification IE/CEN IE/CEN 60730-1 and IE/CEN 60730-2-13 Degree of Protection IE/CEN IP/65 Degree of Protection NEMA/UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 bs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications and thorage in anticoreculty much mode the used in report with a serie of a lating may threating, directly or indirectly human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with • Local laws, health & safety regulations, technical standards and regulations • Condition of the device at the time of installation, to ensure safe installation • This data sheet and installation manual Remarks Build-up of Self-Heeting by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the tamperature enses arranged of the interase of the stallation manual Application Notice for Humidity Sensors Temperature sensors with electronic components always have a dissipative power which affects t		Operating Condition Air Flow			
EU Conformity CE Marking Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2-13 Certification IEU pending Degree of Protection IEC/EN IP65 Degree of Protection IEU IP65 Degree of Protection NEMA UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized personnel. The product should only be used for the intended application. Unauthorized personnel. Please comply with - Local laws, health & safety regulations, technical standards and regulations - Local laws, health & safety regulations, technical standards and regulations - Condition of the device at the time of installation. to ensure safe installation - This data sheet and installation manual Temperature sensors with electronic components always have a dissipative power which a discible there into account when measuring the more law of the sensor bard. Application Notice for Humidity Sensors Temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As belieno transducers work with a variable operating voltage can be taken into account when measupprove loss of the		Protection Class IEC/EN			
Certification IEC/EN IEC/EN 60730-1 and IEC/EN 60730-2-13 Certification UL pending Degree of Protection IEC/EN IP65 Degree of Protection NEMA/ UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 bs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited? Interproduct should only be used for the intended application. Unauthorized modifications are prohibited? Please comply with - 1.22 bs Please comply with - 1.20 coll kaves, heath & safety regulations, technical standards and regulations Condition of the device at the time of installation, to ensure safe installation - This data sheet and installation manual Remarks Temperature sensors with electronic components always have a dissipative power which affects the temperature sensors with electronic graving or parating voltage. This dissipation in active power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only on equiparent into account when measuring temperature. As Belimo transducers work with a variable operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers aroutive willb in creased by a changing power loss of the sensor b		Protection Class UL	UL Class 2 Supply		
Cartification UL pending Degree of Protection IEC/EN IP65 Degree of Protection NEMA VUL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any periment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with - Local laws, health & safety regulations, technical standards and regulations - Condition of the device at the time of installation, to ensure safe installation - This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipation in active temperature sensors of norduction engineering. Transducers but on U / 4 to 20 nA have a standard setting at an operating voltage. This dissipative power should be setting at anomaly the sensor board. Application Notice for Humidity Sensors Refrain from touching the sensitive humidity sensor/lise contary were leader and readings may be outside specified accuracy. Replacement may be affected and rea		EU Conformity	CE Marking		
Degree of Protection IEC/EN IP65 Degree of Protection NEEMA/ UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes Image: Comparison of the interaction of the device at the time of installation, to ensure safe installation Please comply with - Local laws, health & safety regulations, technical standards and regulations Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature sensors with electronic components always have a dissipative power which affects the temperature action of the device of the undevice of the sensor beam. Remarks Temperature sensors with electronic components always have a dissipative power which affects the temperature action of the device of the undevice of the undev		Certification IEC/EN	IEC/EN 60730-1 and IEC/EN 60730-2-13		
Degree of Protection NEMA/ UL NEMA 4X Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes Image: Comparison of the intended application. Unauthorized modifications are prohibited The product should only be used for the intended application. Unauthorized modifications are prohibited The product should only be used for the intended application. Unauthorized modifications are prohibited The product should only be used for the intended application. Unauthorized modifications are prohibited The product should only be used for the intended application. Unauthorized modifications are prohibited The product should only be used for the intended application. Unauthorized modifications are prohibited The product should only be used for the intender installing. Do not connect to live/operating equipment. Please comply with - Local laws, health & safety regulations, technical standards and regulations - Condition of the device at the time of installation, to ensure safe installation - This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Temperature sensors with electronic components always have a dissipative power which aviable operating voltage only one operating voltage. This dissipative power which be taken into account when measuring temperature. As Belino transducers work with a variable operating voltage only one operating voltage. The dissipative power should be taken into account when measuring temperature. As Belino transducers to voltage, the offset error will be increased by a changing power loss of the sensor voltage. The re-calibration such as indep and be used to the outrup of the least. For other on uput signal withe leas		Certification UL	pending		
Quality Standard ISO 9001 Weight 0.22 lbs Safety Notes The installation and assembly of electrical equipment should only be performed by authorized personnel. The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited The product must not be used in relation with any quipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installary. Do not connect to live/operating equipment. Please comply with - Local laws, health & safety regulations, technical standards and regulations Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipative power which affects the temperature measurement of the ambient air. The dissipative power which affects the temperature measurement of the ambient air. The dissipative power which affects the temperature measurement of the ambient air. The dissipative power which affects the temperature measurement of the ambient air. The dissipative power which affects the temperature sensors with electronic components always have a dissipative power which affects the temperature sensors with electronic components always have a dissipative power which affects the temperature sensors which as a linear increase with sing operating voltage. The dissipative power which affects the temperature measurement of the ambient air. The dissipative power which adraftede the perform an		Degree of Protection IEC/EN	IP65		
Weight 0.22 bs Safety Notes Image: Construct of the second		Degree of Protection NEMA/ UL	NEMA 4X		
Safety Notes Safety Notes Image: Solution of the second s		Quality Standard	ISO 9001		
Application Notice for Humidity Sensor The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly in indirectly i		Weight	0.22 lbs		
Application Notice for Humidity Sensor The installation and assembly of electrical equipment should only be performed by authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly in indirectly i					
Application Notice for Humidity Sensor authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with • Local laws, health & safety regulations, technical standards and regulations • Condition of the device at the time of installation, to ensure safe installation • This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuing temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage. The sensor be done by means of a timming polentiometry of the sensor detection. If a re-calibration should become necessary later directly on the sensor the done by means of a timming polentiometer on the sensor detection at this voltage, the expected measuing temperature and rung voltage the sensor detection at the dimension and the datasheet will be covered by the calibration survey shift and the sensor below will wold warranty. Application Notice for Humidity Sensor Refrain from touching the sensitive humidity sensor/element. Touching the sensitive surface will vold warranty.	Safety Notes				
are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with Local laws, health & safety regulations, technical standards and regulations Condition of the device at the time of installation, to ensure safe installation This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers on production engineering. Transducers 0 to 10 V / 4 to 20 mA have a standard setting gat an operating voltage of 24 V. That means, that at this voltage, the expected measuring remor of the output signal will be the least. For other operating voltage in the calibration should become necessary later directly on the sensor his car be done by means of a timming potentiometer on the sensor leader. Not at this voltage, the covered by the calibration warranty for two years. When exposed to harsh environmental conditions such as; high ambient temperature and/or high levels of humidity sensor due to harsh environmental conditions such as; high ambient temperature and/or high lev	\wedge	 authorized personnel. The product should only be used for the intended application. Unauthorized modifications are prohibited! The product must not be used in relation with any equipment that in case of a failure may threaten, directly or indirectly, human health or life or result in danger to human beings, animals or assets. Ensure all power is disconnected before installing. Do not connect to live/operating equipment. Please comply with Local laws, health & safety regulations, technical standards and regulations Condition of the device at the time of installation, to ensure safe installation 			
 Local laws, health & safety regulations, technical standards and regulations Condition of the device at the time of installation, to ensure safe installation This data sheet and installation manual Remarks Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipative newer which affects the temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Bellimo transducers work with a variable operating voltage only one operating voltage can be taken into account when measuring temperature. As Bellimo transducers work with a variable operating voltage only one operating voltage can be taken into consideration, for reasons of production engineering. Transducers 10 to 10 / 4 to 20 mA have a standard setting at an operating voltage of DC 24 V. That means, that at this voltage, the expected measuring error of the output signal will be the least. For other operating voltage, the offset error will be increased by a changing power loss of the sensor electronics. If a re-calibration should become necessary later directly on the sensor, this car be done by means of a trimming potentiometer on the sensor board. Application Notice for Humidity Sensors Refrain from touching the sensitive humidity sensor/element. Touching the sensitive surface will via warranty. For standard environmental conditions the manufacturing accuracy specified in the datasheet will be covered by the calibration warranty for two years. When exposed to harsh environmental conditions are not subject of the general warranty. Accessories Scope of Delivery mounting flange strain relief 26 to 8 mm cable gland nut conduit 1/2" NPT, 2 x 266 mm cable gland nut conduit 1/2" NPT, 2 x 266 mm<					
Build-up of Self-Heating by Electrical Dissipative Power Temperature sensors with electronic components always have a dissipative power which affects the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage can be taken into consideration, for reasons of production engineering. Transducers 0 to 10 V / 4 to 20 mA have a standard setting at an operating voltage of DC 24 V. That means, that at this voltage, the expected measuring error of the output signal will be the least. For other operating voltages, the offset error will be increased by a changing power loss of the sensor electronics. If a re-calibration should become necessary later directly on the sensitive surface will void warranty. Application Notice for Humidity Sensors Refrain from touching the sensitive humidity sensor/element. Touching the sensitive surface will void warranty. For standard environmental conditions such as; high ambient temperature and/or high levels of humidity or presence of aggressive gases (i.e. chlorine, ozone, ammonia) the sensor element may be affected and readings may be outside specified accuracy. Replacement of deteriorated humidity sensor due to harsh environmental conditions are not subject of the general warranty. Accessories mounting flange strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut conduit 1/2" NPT. Optional Accessories Description Type					
Dissipative Power affects the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage can be taken into consideration, for reasons of production engineering. Transducers 0 to 10 V / 4 to 20 mA have a standard setting at an operating voltage of DC 24 V. That means, that at this voltage, the expected measuring error of the output signal will be the least. For other operating voltages, the offset error will be increased by a changing power loss of the sensor electronics. If a re-calibration should become necessary later directly on the sensor, this car be done by means of a trimming potentiometer on the sensor board. Application Notice for Humidity Sensors Refrain from touching the sensitive humidity sensor/element. Touching the sensitive surface will void warranty. For standard environmental conditions the manufacturing accuracy specified in the datasheet will be covered by the calibration warranty for two years. When exposed to harsh environmental conditions such as; high ambient end/or high levels of humidity or presence of aggressive gases (i.e. chlorine, ozone, ammonia) the sensor element may be affected and readings may be outside specified accuracy. Replacement of deteriorated humidity sensor due to harsh environmental conditions are not subject of the general warranty. Accessories Scope of Delivery mounting flange strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut conduit 1/2" NPT Optional Accessories Description Type	Remarks				
will void warranty. will void warranty. For standard environmental conditions the manufacturing accuracy specified in the datasheet will be covered by the calibration warranty for two years. When exposed to harsh environmental conditions such as; high ambient temperature and/or high levels of humidity or presence of aggressive gases (i.e. chlorine, ozone, ammonia) the sensor element may be affected and readings may be outside specified accuracy. Replacement of deteriorated humidity sensor due to harsh environmental conditions are not subject of the general warranty. Accessories mounting flange strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut conduit 1/2" NPT Optional Accessories Description Type		affects the temperature measurement of the ambient air. The dissipation in active temperature sensors shows a linear increase with rising operating voltage. This dissipative power should be taken into account when measuring temperature. As Belimo transducers work with a variable operating voltage, only one operating voltage can be taken into consideration, for reasons of production engineering. Transducers 0 to 10 V / 4 to 20 mA have a standard setting at an operating voltage of DC 24 V. That means, that at this voltage, the expected measuring error of the output signal will be the least. For other operating voltages, the offset error will be increased by a changing power loss of the sensor electronics. If a re-calibration should become necessary later directly on the sensor, this can			
datasheet will be covered by the calibration warranty for two years. When exposed to harsh environmental conditions such as; high ambient temperature and/or high levels of humidity or presence of aggressive gases (i.e. chlorine, ozone, ammonia) the sensor element may be affected and readings may be outside specified accuracy. Replacement of deteriorated humidity sensor due to harsh environmental conditions are not subject of the general warranty. Accessories mounting flange strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut conduit 1/2" NPT Optional Accessories Type	Application Notice for Humidity Sensors	 Refrain from touching the sensitive humidity sensor/element. Touching the sensitive surface will void warranty. For standard environmental conditions the manufacturing accuracy specified in the datasheet will be covered by the calibration warranty for two years. When exposed to harsl environmental conditions such as; high ambient temperature and/or high levels of humidity or presence of aggressive gases (i.e. chlorine, ozone, ammonia) the sensor element may be affected and readings may be outside specified accuracy. Replacement of deteriorated humidity sensor due to harsh environmental conditions are not subject of the general 			
Scope of Deliverymounting flange strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut PG11, Ø6 to 10 mm cable gland nut conduit 1/2" NPTTypeOptional AccessoriesDescriptionType					
strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 mm cable gland nut PG11, Ø6 to 10 mm cable gland nut conduit 1/2" NPT Optional Accessories Description Type	Accessories				
Optional Accessories Description Type	Scope of Delivery	strain relief Ø6 to 8 mm cable gland nut conduit 1/2" NPT, 2 x Ø6 m cable gland nut PG11, Ø6 to 10 mm	ım		
· · · · · · ·	Optional Accessories	-	Туре		
		mounting flange for duct humidity and CO ₂	sensor A-22D-A34		



Wiring Diagram



(1) and (5): Status LED
(2) red: Error
(3) yellow: Tx
(4) yellow: Rx
(4) Detailed documentation

Notes Wiring RS485

I

Connection via safety isolating transformer.

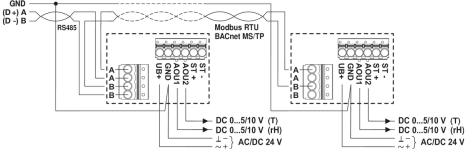
Termination (DIP1 & DIP2).

Parallel connection of other actuators possible. Observe the performance data.

The wiring of the line for Modbus (RTU) / BACnet (MS/TP) is to be carried out in accordance with applicable RS485 regulations.

Modbus / BACnet: Supply and communication are not galvanically isolated. Connect earth signal of the devices with one another.

The separate document, BACnet PICS, informs about the PICS, MAC addressing and bus



Wiring RS485 (Modbus RTU & BACnet MS/ TP)



Dimensions

