(IEC 60529) Polycarbonate Cover plate Polyamide 6.6 V0 Terminal blocks rate connection to the power supply is mandatory. plock of additional modules a sepawer supply. For any similar of noitoennoo req (DQ to DA) sqmA S

without space onnected in line is limited to 15 or the maximum quantity of modules Mounting in series Mounting standard rail TH35 per IEC 60715 Mounting position g £8 Weight (mm 28 x 07 x 28) .ni 8.5 x 8.5 x 4.1 Dimensions WxHxD

Terminal blocks

High-signal recognition >> V AC/DC Input voltage 30 A DC ınduj Relative duty cycle % 00l (DQ) Am 27 \ (DA) Am 28 Current consumption

Operating voltage range 20 ... 28 V AC/DC (SELV)

equalizing cable in bus / line topology Qailds RS485 two wire bus with voltage (factory setting 9600 Bd) Transmission rate 98 00ZS11 ... 0096

BACnet Interface 3. Technical Data

 Knowledge of safety rules. put this device into operation, to power it down or to activate Qualification to connect the device according to the VDE specifications and the local regulations and a qualification to

and whose professional qualification meets the requirements of Qualified personnel in the sense of these instructions are persons who are well versed in the use and installation of such devices

means that non-observance may cause risk of life, grievous bodily harm or heavy material damage.

stood by every person using this device. The information of these instructions have to be read and underwith the devices, see section "qualified personnel". Only qualified personnel shall do mounting and installation work

electrically discharge themselves as prescribed before installation Technicians and/or installers are informed that they have to of accidents as well as the VDE rules. Keep the applicable directions for industrial safety and prevention

meet the national directions. countries it applies to the equipment installer or the user to the Federal Republic of Germany. If the device is used in othe The indicated installation directions or rules are applicable to these instructions please consult supplier or manufacturer. the device. In case of questions that cannot be answered with These instructions include indications for use and mounting of Notes Regarding Device Description

The device was tested according to the applicable standards. Conformity was proofed. The declaration of conformity is available at the manufacturer BTR NETCOM GmbH. 2. Declaration of Conformity

baud rates 9600 Bd, 19200 Bd, 38400 Bd, 57600 Bd, 76800 Bd (x10) on the front. Possible settings are addresses 00 to F9 and and baud rate setting are done with the two address switches (x1 by standard objects via a BACnet-Client. Addressing of the module pending on the setting of the jumper J. The inputs can be scann umper J - A2) or with actuation to GND (A2, jumper J - A1), de-Can be operated as contact and voitage inputs (At, 24 VAC/DC, lation valves or auxiliary contacts of power contactors. The inputs switching states as for example electrical limit switches of venti-The BACnet MS/TP module with 10 digital inputs is designed for



6181188011 **BMT-DI10** Digital Input Module

C | Logline

CONNECT ZT3M -

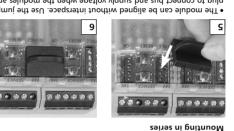
We realize ideas

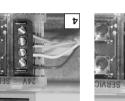
Bitrate (Bit/s) | 9600 | 19200 | 38400 | 57600 | 76800 | 115200 Adress switch x1 B C D E F Adress switch x10 F F F F Turn Switch x1 to select Network-Address

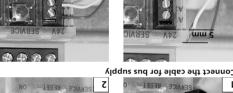
• Turn Switch x10 to select Network-Address Red and green LEDs are blinking when Baudrate ist stored in Turn Switch x10 to F, wait 1 Second Turn Switch x10 to E (Device is temporaryly configured as Slave)
 Turn Switch x1 to A - F to select Baudrate (P9. P9; e.g. F9h = 15x16+9 = 2494) and Baudrate (FA – FF).

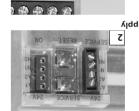
Configuration Switches 7. Network adress and Bit rate setting

iar block of additional modules a separate connection to the (AC or DC) per connection to the power supply. For any simi • Knowledge about application and use of the device within the ted to 15 or to a maximum power consumption of 2 Amps The maximum quantity of modules connected in line is liminounted in series. oing to connect bus and supply voltage when the modules are The module can be aligned without interspace. Use the jumper



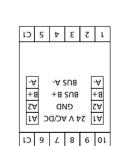




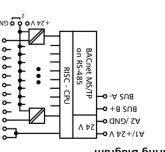


Plug in the terminal block for bus connection snoifications and regulations qualified persons only, by respecting all applicable Electric installation and device termination shall be done by

Mount the module on standard rail (TH35 per IEC 60715 in Power down the equipment 6. Mounting



5. Connection Diagram



4. Wiring Diagram

Operating / bus activity green LED
Error indication red LED

Display	
Storage	J∘ 0∠+ J∘ 0∠-
Operation	J∘ SS+ J∘ S-
Temperature range	
	snq pue
	polarity reversal protection of supply
	operating voltage
Protective circuitry	polarity reversal protection of
Wire diameter	mm 7.2 xsm of qu mm £.0 .nim
	max. AWG 14 (2.5 mm²) stranded wire
ludiuO\iuqnl	max. AWG 12 (4.0 mm²) solid wire
Module connection	

included to each packing unit) min. 0.3 mm up to max. 1.4 mm (terminal block and jumper plug are included to each packing in Wire diameter 4 pole terminal block max. AWG 16 (1,5 mm²) solid wire snq pue \lddn

max. AWG 18 (1,0 mm²) stranded wire Terminal blocks Continuation Technical Data

(24 V AC /DC) Connection examples 1+2 8. Connection examples

٥ı S Members of Groups

	R: Read Property, W: Write Property, -E: Storage i	ч ЕЕЬВ
cist_Of_Group_Members	see next Table	Я
	see next Table	
Present_Value	Present_Value of Binary Inputs,	Я
Object_Type	GROUP (11)	Я
Object_Name	"Group 1" "Group 11"	Я
Object_ldentifier	ff f annstani ,quong	Я
Property	Remark / Value	RW

Hexadecimal Switches x10, x1 define the Network-Address Group Object 1 ... 11

x. Present_Value is writeable and not affected by inputs				
ı	х	0 I	ι	ı
ı	х	r O	0	ı
0	0	r 1	ι	0
0	r r	0	0	0
OUT_OF_SERVICE	Present_Value	Binary Input	Polarity	Out_Of_Service

Function Table for Binary Input

OA933 ni 9gs	R: Read Property, W: Write Property, -E: Stor	
	2: global broadcast	
	1: local broadcast,	
	0: no COV notification,	
B-W-E	noiseal Unconfirmed COVN of its and in a second second bedinas due no	ssel2_noitsifitol
Я	"uO"	tx9T_9vito
Я	"Ott.	tx9T_evit56r
В-WЯ	NORMAL (0) / REVERSE (1)	olarity
WA	(1) TRUE (1)	ozivice_to_tut
В	NORMAL (0)	vent_State
	OUT OF SERVICE: 0/1	
	OVERRIDDEN: 0	
	P.ΑŪLΤ: 0	
Я	IN_ALARM: 0	tatus_Flags
КW	(f) ACTIVE (0) \ ACTIVE (1)	resent_Value
В	(E) TU9NI_YAANIB	Jpject_Type
В	"Input 1" "Input 10"	bjject_Name

Property Binary Input Objects 1 ... 10

	R: Read Property, W: Write Property, -E: Storage ii	
вм-Е	l l	/ax_lnfo_Frames
вм-Е	لاكا	Nax_Master
В	"BMT_DI10"	pescription
В	0	noisivaA_asedata0
В		Povice_Address_Binding
В	0	Jumber_Of_APDU_Retries
В	00001	tnoeout_UQ4/
В	NO_SEGMENTATION (3)	egmentation_cupported
В	907	betqe55A_dtpneJ_UQ9A_xsN
В	לפייוכפ, binary-input לייילן פוריטרן קרייון קריין פוריון קריין איי	[22] tsi1_tseld(
В	DEVICE, BINARY_INPUT, GROUP	hetocol_Object_Types_Supported
Я	readProperty, writeProperty, device-communication-control, reinitialize-device, unconfirmed-cov-event-notification, who-has, who-is	betrotou_services_supported
В	ZI	noisiveA_locotor
В	l l	notocol_Version
В	"0.1"	noisae_Version_Software_Version
В	"0.1"	irmware_Revision
В	"BMT-DI10"	9msN_l9boN
В	LZÞ	/endor_ldentifier
В	"BTR Netcom GmbH"	/endor_Name
В	(0) JANOITARA9O	ystem_Status
В	DEAICE (8)	Jpject_Type
вм-Е	max. 50 Bytes, default "BMT-D110_" + Network-Address (Hexadecimal)	9msN_tɔəjd
В-М-В	device, default instance: 421000 + Network-Address)bject_ldentifier
		hoperty

Device Object 9. Software Description

1 5 3 4 2 C1

MTE V GANCHER MS/TR V GANCHER 9 2 8 6 01 ERROR O ∧ 77+ **\$\$\$\$\$** 10 9 7 8 9 01

L

9 2 8 6 01 YSUB CND ○ +5¢ A ○ **\$\$\$\$\$** 10 9 7 8 9 01 (24 V AC /DC)

Connection example 3

1 5 3 4 2 C1

BMT-DI10 BACnet MS/TP

olycarbonate Cover plate Polyamide 6.6 VO Terminal blocks 0V 8.8 sbimsylog separate connection to the power block of additional modules a the power supply. For any similar 2 Amps (AC or DC) per connection to connected in line is limited to 15 or

the maximum quantity of modules Mounting in series Mounting Standard rail TH35 per IEC 60715 Mounting position 6 s 6 Meight (mm 27 x 07 x 02) .ni 0.£ x 8.2 x 4.1 Dimensions WxHxD Making current < 20 ms 10 A

(6ZS09 D3)

A 8.0 s 0£> Inerrang enidotiwe Continuous current max. 0.5 A / Triac 24 V AC to max. 250 V AC Switching voltage JudinO Relative duty cycle (DQ) Am 04 \ (DA) Am 001 Current consumption Operating voltage range 00 ... 08 V AC/DC (SELV)

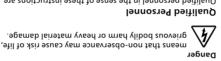
equalizing cable in bus / line topology RS485 two wire bus with voltage Cabling (factory setting 9600 Bd) **BACnet MS/TP** 93ACnet Interface

3. Technical Data

• Knowledge about application and use of the device within the Knowledge of safety rules. it by respecting the internal directions. put this device into operation, to power it down or to activate

of noistions and the local regulations and a qualification to • Qualification to connect the device according to the VDE This includes for example: ments of their work.

devices and whose professional qualification meets the requireersons who are well versed in the use and installation of such Qualified personnel in the sense of these instructions are



derstood by every person using this device. The information of these instructions have to be read and unwork with the devices, see section "qualified personnel". on or maintenance of the devices. electrically discharge themselves as prescribed before installati-Technicians and/or installers are informed that they have to

on of accidents as well as the VDE rules. Satety Instructions countries it applies to the equipment installer or the user to the Federal Republic of Germany. If the device is used in othe The indicated installation directions or rules are applicable to these instructions please consult supplier or manufacturer.

Notes Regarding Device Description available at the manufacturer BTR NETCOM GmbH. The device was tested according to the applicable standards. Conformity was proofed. The declaration of conformity is 2. Declaration of Conformity

the device. In case of questions that cannot be answered with

effings are addresses 00 to F9 and baud rates 9600 Bd, 19200 Bd, module. Addressing of the module and baud rate setting are done with the two address switcher (x1/x10) on the front. Possible outhus can be manually overnoden by using the switches of the can be operated by standard objects via a BACnet Client. Also, the components like relays, contactors, HVAC valves etc. The outputs for local switching operations. It is suitable to switch electrical The BACnet MS/TP module with 4 digital triac outputs is designed 1. Description



11088013 **BMT-TO4** Pigital Output Module

Suilgod 2

seebi ezileen eW CONNECT ZT3M -

Bitrate (Bit/s) 9600 19200 38400 57600 76800 115200 Adress switch x1 A B C D E F Adress switch x10 | F | F | F | F Turn Switch x1 to select Network-Address Turn Switch x10 to select Network-Address • Red and green LEDs are blinking when Baudrate ist stored in

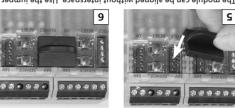
Factory setting: 9600 Bit/s

 Turn Switch x10 to F, wait 1 Second • Turn Switch x10 to E (Device is temporaryly configured as Slave) • Turn Switch x1 to A – F to select Baudrate (PO - F9; e.g. F9h = 15x16+9 = 249d) and Baudrate (FA - FF). Configuration Switches A10, x1 define the Network-Address

7. Network adress and Bit rate setting

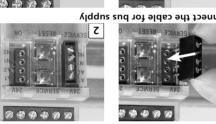
similar block of additional modules a separate connection to the power supply is mandatory. AC or DC) per connection to the power supply. For any nounted in series.

The maximum quantity of modules connected in line is limibing to connect bus and supply voltage when the modules are The module can be aligned without interspace. Use the jumper





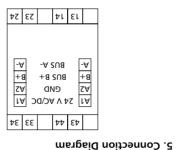




Plug in the terminal block for bus connection qualified persons only, by respecting all applicable Electric installation and device termination shall be done by

junction boxes and/or on distribution panels). Mount the module on standard rail (TH35 per IEC 60715 in Power down the equipment

6. Mounting 13 14 53 24



RISC - CPU	on R2-485 BACnet MS/TP → +8 Sn8 → 4 N9/ 74 Λ 17/

4. Wiring Diagram

Wire diameter

sng pue fiddns

Terminal blocks

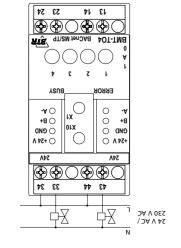
Continuation Technical Data

Display Operating / bus activity Error indication Status of the outputs	green LED yellow LED
Storage	J∘ 0∠+ J∘ 0∠-
Temperature range Operation	J∘ 2S+ J∘ S-
	operating voltage polarity reversal protection of supply and bus
Protective circuitry	polarity reversal protection of
Wire diameter	mm T.S. xsm of qu mm E.O. nim
Module connection Output	eriw bilos (5mm 0.4) SI DWA .xsm
	(terminal block and jumper plug are included to each packing unit)

mm 4.f .xsm of qu mm 2.0 .nim

97iw bilos (5mm 2,1) 31 DWA .xsm

9. Software Description



Electro thermic valve actuators Connection example 8. Connection examples

11-1187 - MC Technology GmbH - 899_299-01 + -02 + -06 + -08 - Widerdruck 1 - 29.06.2011 11:07:08 - BlackColo

I/O/JJUN

עחרר / 0 / ג

I/O/JIN

1 / 0 / JINN

ו / ס / אחרר

I/O/JJUN

I/O/JJUN

וחרר / 0 / גו

1 / 0 / JJUN

Priority_

: local broadcast,

"HO

Polarity

ssel2_noiteaili

tx9T_9vito/

nactive_lext

Out_Ot_Service

resent_Value

Dbject_Type

Property

Object_Name

Object_Identifier

səmɛɪᠯ_ofnl_xsM

atabase_Revision

zəirəA_UQ9A_1O_rədmu

Nax_APDU_Length_Accepted

Max_Master

escription

[c] tsil_tsə[d(

rotocol_Revision tocol_Version hpplication_Software_Version

Jodel_Name

endor_Name

sutet2_mets

)bject_Type

Property

Device Object

Binary Output Objects 1 ... 4

1/0/0

1/0/0

1/0/0

1/0/0

1/0/0

1/0/0

Function Table for Binary Output

noitsoifitoMVODbemrifroarU bedirosdusn

l = Switch 0 (Off) or 1 (On)

(otuA) A dotiw2 = 0

IULL (write only) / INACTIVE (0) / ACTIVE (1)

(1) AVITOA (0) AVITOANI / JJUN

IORMAL (0) / REVERSE (1)

OT_OF_SERVICE: 0/1

ALSE (0) / IRUE (1)

(4) TU9TUO_YAANI8

"Iriac 1" ... "Iriac 4"

inary-output, instance 1 ... 4

tevice, pinary-output 1...4

"0.1'

"BMT-TO4"

DEVICE (8)

nax. 50 Bytes,

'BTR Netcom GmbH (0) JANOITARE

unconfirmed-cov-event-notification, who-has, who-is

efault "BMT-TO4_" + Network-Address (Hexadecimal)

SAICE' GETAULT INSTANCE: 421000 + NETWORK-ADDRESS

0/1/1

1/0/0

KIDDEN

R: Read Property, W: Write Property, -E: Storage in EEPROM

R: Read Property, W: Write Property, -E: Storage in EEPROM

sυλ

6 s6

A 21

١٥٥ %

Knowledge about application and use of the device within the

but this device into operation, to power it down or to activate

of noiteaifications and the local regulations and a qualification to

devices and whose professional qualification meets the require-

persons who are well versed in the use and installation of such

means that non-observance may cause risk of life,

The information of these instructions have to be read and un-

electrically discharge themselves as prescribed before installati-

Keep the applicable directions for industrial safety and preventi-

Technicians and/or installers are informed that they have to

conutries it applies to the equipment installer or the user to

the Federal Republic of Germany. If the device is used in other

these instructions please consult supplier or manufacturer.

The indicated installation directions or rules are applicable to

the device. In case of questions that cannot be answered with

These instructions include indications for use and mounting of

The device was tested according to the applicable standards. Conformity was proofed. The declaration of conformity is

effings are addresses 00 to F9 and baud rates 9600 Bd, 19200

Client. Addressing of the module and baud rate setting are done with a manual control facility for manual switching of the relays. The outputs can be operated by standard objects via a BACnet-

with the two address switches (x1 / x10) on the front. Possible

AC-element of high inductive loads. The module is provided

600000

1108861321

BMT-DO4

C Logline

2 41 44 32 31 34

Digital Output Module

ve realize ideas

CONNECT

ZT3M =

We recommend to protect the relay contacts additionally by a

components such as motors, contactors, lamps, sun-blinds etc.

The BACnet MS/TP module with 4 digital outputs is designed for

work with the devices, see section "qualified personnel".

Only qualified personnel shall do mounting and installatio

Qualified personnel in the sense of these instructions are

means that non-observance may cause risk of ing

• Qualification to connect the device according to the VDE

Continuous current max. 5 A per relay

Switching voltage max. 250 V AC

0V ∂.∂ sbimsγlo

Polyamide 6.6 V0

supply is mandatory.

block of additional modules a separate connection to the power

the power supply. For any similar

to a maximum power consumption of

the maximum quantity of modules connected in line is limited to 15 or

standard rail TH35 per IEC 60715

(mm 20 x 07 x 28) .ni 0.2 x 8.2 x 4.1

4 x changeover contacts

Cover plate

Housing Terminal blocks

without space

Mounting

buisnoH

ill contacts

Total current for

Output contacts

Relative duty cycle

ednibment system etc.

Knowledge of safety rules.

i uis incinges tor example:

Qualified Personnel

slodmy2

ments of their work.

it by respecting the internal directions.

Warning of dangerous electrical voltage

derstood by every person using this device.

on or maintenance of the devices.

Safety Instructions

1. Description

meet the national directions.

on of accidents as well as the VDE rules.

Notes Regarding Device Description

2. Declaration of Conformity

available at the manufacturer BTR NETCOM GmbH.

Bd, 38400 Bd, 57600 Bd, 76800 Bd and 115200 Bd.

thgisW

Qabling

Mounting in series

Mouring position

Dimensions WxHxD

Switching frequency

1640

6 s6

30 V AC/DC

(DQ) Am 05 \ (DA) Am 02

(factory setting 9600 Bd)

9600 ... 115200 Bd

9T\ZM 19nJA8

Knowledge about application and use of the device within the

put this device into operation, to power it down or to activate

specifications and the local regulations and a qualification to

devices and whose professional fualification meets the require-

persons who are well versed in the use and installation of such

means that non-observance may cause risk of life,

The information of these instructions have to be read and un-

Only qualified personnel shall do mounting and installation

Technicians and/or installers are informed that they have to

electrically discharge themselves as prescribed before installati-

Keep the applicable directions for industrial safety and preventi-

countries it applies to the equipment installer or the user to

the Federal Republic of Germany. If the device is used in other

he indicated installation directions or rules are applicable to

these instructions please consult supplier or manufacturer.

the device. In case of questions that cannot be answered with

hese instructions include indications for use and mounting of

he device was tested according to the applicable standards.

Jualified personnel in the sense of these instructions are

grievous bodily harm or heavy material damage.

Warning of dangerous electrical voltage

on or maintenance of the devices.

meet the national directions.

derstood by every person using this device.

on of accidents as well as the VDE rules.

Notes Regarding Device Description

2. Declaration of Conformity

available at the manufacturer BTR NETCOM GmbH.

Conformity was proofed. The declaration of conformity is

olycarbonate

Polyamide 6.6 VV

Type of protection (IEC 60529)

Ierminal blocks

without space

Mounting

BuisnoH

Cabling

Voltage input

Relative duty cycle

Current consumption

BACnet Interface

3. Technical Data

 Knowledge of safety rules. t by respecting the internal directions.

This includes for example:

Qualified Personnel

ments of their work.

Mounting in series

UMEnsions WXHXD

High-signal recognition > 7 V AC/DC

Operating voltage range 20 ... 28 V AC/DC (SELV)

Cover plate

Material

rate connection to the power supply

of northead (AC or DC) per connection to

the power supply. For any similar block of additional modules a sepa-

connected in line is limited to 15 or

standard rail TH35 per IEC 60715

(mm 23 x 07 x 28) .ni 0.8 x 8.2 x 4.1

equalizing cable in bus / line topology

RS485 two wire bus with voltage

 Turn Switch x10 to select Network-Address • Red and green LEDs are blinking when Baudrate ist stored in Iurn Switch XIU to F, wait I Second Turn Switch x1 to A - F to select Baudrate • Turn Switch x10 to E (Device is temporaryly configured as Slave)

Hexadecimal Switches x10, x1 define the Network-Address (00 - F9; e.g. F9h = 15x16+9 = 2494) and Baudrate (FA - FF).

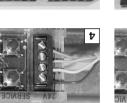
Turn Switch x1 to select Network-Address

configuration Switches 7. Network adress and Bit rate setting

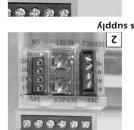
to the power supply is mandatory. (DQ) Am 07 \ (DA) Am 002 (AC or DC) per connection to the power supply. For any similar block of additional mobales a separate connection Operating voltage range 20 ... 28 V AC/DC (SELV) ed to 15 or to a maximum power consumption of 2 Amps equalizing cable in bus / line topology The maximum quantity of modules connected in line is limi-RS485 two wire bus with voltage rounted in series. olug to connect bus and supply voltage when the modules are (factory setting 9600 Bd)

Transmission rate he module can be aligned without interspace. Use the jumper 98 00ZS11 ... 0096 **9T\2M 19nDA8** BACnet Interface 3. Technical Data





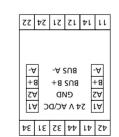




Plug in the terminal block for bus connection pecifications and regulations. nalified persons only, by respecting all applicable Electric installation and device termination shall be done by

noifallaten unction boxes and/or on distribution panels). Power down the equipment
Mount the module on standard rail (TH35 per IEC 60715 in

6. Mounting



5. Connection Diagram

N	0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0. 0.0.	1 + 2 0 1	RISC - CPU	BACnet MS/TP 5 on RS-485 <	—• +a s∩a
---	--	-----------	------------	-------------------------------	-----------

stugtuo of the outputs green LED Operating / bus activity J∘ 07+ ... J° 02storage Operation

J∘ SS+ ... J∘ S-Temperature range sng pue

mm 7.2 xsm of qu mm £.0 .nim max. AWG 14 (2.5 mm²) stranded wire

max. AWG 12 (4.0 mm²) solid wire (terminal block and jumper plug are max. BVG 18 (1,0 mm²) stranded wire max. 1.1 .xem op to mm 1.0 .nim

Type of protection

wire diameter

4. Wiring Diagram

polarity reversal protection of supply oberating voitage Wire diameter Module connection

included to each packing unit) max. AWG 16 (1,5 mm²) solid wire

4 boje terminal block snq pue kiddng **Terminal blocks** Housing Terminal blocks (IEC 60529)

Continuation Technical Data

1/0/0 1/0/11NN 1/0/0 1/0/0 1/0/0 1/0/17NN 1/0/0 / 0 / TTON 1/0/0 וור / ס / גו I/O/JINN 0/1/1 1/0/0 L/O/JION /0/7701

	R: Read Property, W: Write Property, -E: Storage in	NOR433
	2: global broadcast	
	1: local broadcast,	
_	0: no COV notification,	
szel D_noit szifitő	Unsubscribed UnconfirmedCOVNotification	RW-E
tx9T_evito	"uo"	Я
active_Text	" } }0"	Я
tlush=0_Asiupnile	(0)	Я
iority_Array [16]	(1) ACTIVE (0) ACTIVE (1)	Я
olarity	NORMAL (0) / REVERSE (1)	з-мя
ut_Of_Service	(1) TRUE (1)	МЯ
ent_State	NORMAL (0)	В
	OUT OF SERVICE: 0 / 1	
	(nO) f to (f to (f to (f to) 0 dotive f	
	OVERRIDDEN: $0 = Switch A (Auto)$.
	FAULT: 0	
stus_Flags	0 :МЯАЈА_ИI	В
esent_Value	NULL (write only) / INACTIVE (0) / ACTIVE (1)	МЯ
bject_Type	(4) TU9TUO_YAANIB	В
bject_Name	"Relay 1" "Relay 4"	В
bject_ldentifier	binary-output, instance 1 4	В

Binary Output Objects 1 ... 4

U EEDBON	R: Read Property, W: Write Property, -E: Storage i	
В-М-Е	ı	/sames_lnfo_Frames
В-М-Е	۲۲۱	Nax_Master
В	"BMT_DO4"	escription
В	0	noisivaЯ_asadata
В	-	evice_Address_Binding
Я	0	lumber_Of_APDU_Retries
Я	00001	fuoemiT_UQ9.
В	(£) NOITATION (3)	egmentation_cupported
В	907	bətqəɔɔA_dtgnəL_UG9A_xsf
Я	4evice, binary-output 14	[2] tsi_tse[d
В	DEVICE, BINARY_INPUT	betroqqu2_seqyT_toeidO_loooto
В	readProperty, writeProperty, device-communication-control, reinitialize-device, unconfirmed-cov-event-notification, who-has, who-is	otocol_Services_Supported
Я	اح ا	noisivaA_loooto
Я	ı	rotocol_Version
В	"0.1"	noisae_Version_Software_Version
В	"0.1"	rmware_Revision
В	"BWL-DO4"	əmeN_ləbol
В	LZÞ	endor_ldentifier
В	"HdmD mosteM RT8"	endor_Name
В	OPERATIONAL (0)	sutat2_m9tsv
В	DEAICE (8)	bject_Type
вм-Е	max. 50 Bytes, default "BMT-DO4_" + Network-Address (Hexadecimal)	emsИ_tɔejd
вм-Е	device, default instance: 421000 + Network-Address	bject_ldentifier
или	иешяцк / ляпе	горепу

8. Connection examples

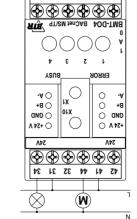
0 A 0 1/0/0 1/0/0 I/O/JJUN SERVICE KIDDEN _fO_tuO _esivse2

Polarity Function Table for Binary Output

	, , , , , , , , , , , , , , , , , , , ,	
	R: Read Property, W: Write Property, -E	NOR433 r
	2: global broadcast	
	1: local broadcast,	
ssalo_nonacino	0: no COV notification,	7-441
rtive_Text ctification_Class	"O" noitsaifiraed UnconfirmedCOVNotification	BW-E
	-	_ a
active_Text	"JJO"	Я
tluefa_dziupnile	(0) HINDCTIVE	Я
iority_Array [16]	(t) ACTIVE (0) / ACTIVE (1)	Я
plarity	NORMAL (0) / REVERSE (1)	B-W-E
ut_Of_Service	(1) TRUE (1)	КW
ent_State	NORMAL (0)	В
	OUT OF SERVICE: 0/1	
	(nO) Γ 10 (D10) o dotiwe = Γ	
	OVERRIDDEM: $0 = Switch A (Auto)$	
	0 :ΤJŪA3	
sgal7_suta	IN_ALARM: 0	В
esent_Value	NULL (write only) / INACTIVE (0) / ACTIVE (1)	WA
bject_Type	(4) TU9TUO_YAANIB	Я
emsN_t>ejd	"Relay 1" "Relay 4"	Я

NOR433 n	R: Read Property, W: Write Property, -E: Storage i	
з-мя	ı	səme¹a_o¹nl_xsN
з-мя	LZI	Nax_Master
В	"BMT_DO4"	escription
В	0	noiziv9A_9zsdsts0
В	•	@price_Address_Binding
В	0	Jumber_Of_APDU_Retries
В	00001	Juo9miT_UQ9/
В	O_SEGMENTATION (3)	egmentation_supported
В	907	betqessA_dtgneJ_UG9A_xsN
Я	4-vice, binary-output 14	[2] tsi1_tseld(
Я	DEVICE, BINARY_INPUT	otocol_Object_Types_Supported
В	readProperty, writeProperty, device-communication-control, reinitialize-device, unconfirmed-cov-event-notification, who-has, who-is	otocol_Services_Supported
Я	را	noisiveA_lozotor
Я	Į.	nois y er si on
Я	"0.1"	nois 19 Version Software Version
Я	"0.1"	irmware_Revision
Я	"BMT-DO4"	ams/Llabol
Я	177	'endor_ldentifier
Я	"HdmD moɔtəN ЯТ8"	endor_Name
Я	OPERATIONAL (0)	sutat2_mətəy
В	DEAICE (8)	Jype Type
вм-Е	max. 50 Bytes, default "BMT-DO4_" + Network-Address (Hexadecimal)	9ms/L_toejd0
вм-Е	device, default instance: 421000 + Network-Address)bject_ldentifier

Device Object 9. Software Description



Binary Output riority_

OVER

BW-E	L L	zemera_oini_xe
B-W/B	LZI	ax_Master
В	"BMT_DO4"	noitqinase
В	0	noisiva9_asadate
Я		evice_Address_binding
Я	0	umber_Of_APDU_Retries
В	00001	pDTimeout
В	NO_SEGMENTATION (3)	egmentation_Supported
Я	907	bətqəɔɔA_dtgnəJ_UG9A_xsl
Я	4f Jugivo-yinaky-output 14	[5] tsitoejd
Я	DEVICE, BINARY_INPUT	rotocol_Object_Types_Supported
В	readProperty, writeProperty, device-communication-control, reinitialize-device, unconfirmed-cov-event-notification, who-has, who-is	otocol_Services_Supported
Я	ZI	noisivəЯ_loooto
Я	l	notocol_Version
В	"0.1"	pplication_Software_Version
В	"0.1"	irmware_Revision
В	"BWL-DO4"	odel_Name
Я	LZÞ	endor_ldentifier
Я	"BTR Netcom GmbH"	endor_Name
В	OPERATIONAL (0)	sutat2_m9ts/
В	DEAICE (8)	bject_Type
в-Мя	max. 50 Bytes, default "BMT-DO4_" + Network-Address (Hexadecimal)	bject_Name
вм-Е	device, default instance: 421000 + Network-Address	bject_ldentifier

ELLOL INGICATION Operating / bus activity Storage

> Protective circuitry Wire diameter Module connection

max. AWG 18 (1,0 mm²) stranded wire 97 and 3,5 mm 3,5 wire Continuation Technical Data

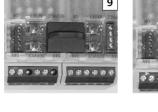
Factory setting: 9600 Bit/s Bitrate (Bit/s) | 9600 19200 38400 57600 76800 115200

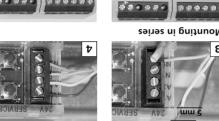
Turn Switch x1 to select Network-Address Turn Switch x10 to select Network-Address Red and green LEDs are blinking when Baudrate ist stored in • Turn Switch x10 to F, wait 1 Second Turn Switch x1 to A - F to select Baudrate

lexadecimal Switches x10, x1 define the Network-Address Configuration Switches

bing to connect bus and supply voltage when the modules are









99999

Plug in the terminal block for bus connection specifications and regulations. qualified persons only, by respecting all applicable Electric installation and device termination shall be done by

Junction boxes and/or on distribution panels). Power down the equipment

> Rd, 38400 Bd, 57600 Bd, 76800 Bd and 115200 Bd. settings are addresses 00 to F9 and baud rates 9600 Bd, 19200 with the two address switches (x1 / x10) on the front. Possible puts. The inputs can be scanned by standard object via a BACnetoberated by potential-tree switches or contacts and as voltage invalves or auxiliary contacts of power contactors. The inputs can be switch states as for example electrical limit switches of ventilation The BACnet MS/TP module with 4 digital inputs is designed for



1108841319 BMT-DI4 Digital Input Module

seebi ezilsen eW

CONNECT

METZ

C Logline

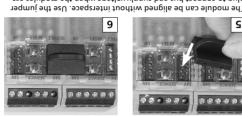
Adress switch x1 | A | B | C | D | E | F

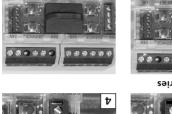
• Turn Switch x10 to E (Device is temporaryly configured as Slave) (44 - 44) and Baudrate (FA – 15x16+9 = 249d) and Baudrate (FA – FF).

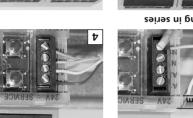
7. Network adress and Bit rate setting

to the power supply is mandatory. milar block of additional modules a separate connection (AC or DC) per connection to the power supply. For any ed to 15 or to a maximum power consumption of 2 Amps The maximum quantity of modules connected in line is limi-

The module can be aligned without interspace. Use the jumper

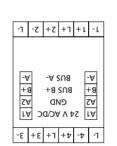




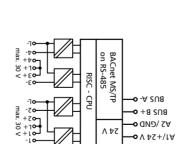




Mount the module on standard rail (TH35 per IEC 60715 in 6. Mounting



5. Connection Diagram



4. Wiring Diagram

snq pue olarity reversal protection of supply operating voltage polarity reversal protection of mm 7.2 xsm of qu mm £.0 .nim max. AWG 14 (2.5 mm²) stranded wire 97 A 12 (4.0 mm 3) solid wire

included to each packing unit) (terminal block and jumper plug are mm 4.1 .xsm of qu mm £.0 .nim

green LED J₀ 0∠+ ... J₀ 0Z-J₀ SS+ ... J₀ S-Operation Temperature range

Wire diameter pole terminal block sng pue fiddns **Terminal blocks**

9. Software Description

-1 -7 -7 -7 -1 -1

endor_ldentifier

endor_Name

Object_Identifier

Device Object

Property

)bject_Type

\$\$\$\$\$\$ -6 +6 +1 +4 -4 -1

Connection example 1 8. Connection examples

X10 O GND **\$\$\$\$\$\$** -E +E +T +b -b -T Connection example 2

-1 -7 -7 -7 -1 -1

\$\$\$\$\$\$

Nembers of METZ CONNECT

R: Read Property, W: Write Property, -E: Storage in EEPROM

R: Read Property, W: Write Property, -E: Storage in EEPROM

R: Read Property, W: Write Property, -E: Storage in EEPROM

вм-Е

8

ROUP (11)

emark / Value

resent_Value of Binary Inputs,

OUT_OF_

subscribed UnconfirmedCOVNotification

Group 1" ... "Group 3"

E ... f əənstəni ,quor

Members of Groups

Binary

Function Table for Binary Input

s: global broadcast

: no COV notification,

IORMAL (0) / REVERSE (1)

UT OF SERVICE: 0/1

(f) AVITOA \ (0) AVITOAN

"p tuqnl" ... "l tuqn

nary-output, instance 1 ... 4

evice, binary-input 1...4, group 1...3

unconfirmed-cov-event-notification, wno-nas, wno-is

etault "BM1-DI4_" + Network-Address (Hexadecimal)

evice, default instance: 421000 + Network-Address

1: local broadcast,

(0) JAMROI

NERRIDDEN:

semark / Value

"PIQ_TM8"

'BMT-DI4"

DEVICE (8)

nax. 50 Bytes,

BTR Netcom GmbH

(0) ЈАИОІТАЯЗЧ

rocol_Object_Types_Supported DEVICE, BINARY_INPUT

:MAAJA_V

Polarity

etification_Class

tx9T_9vito/

tx9T_9vito61 olarity

Out_Of_Service

vent_State

status_Flags

Present_Value

pglect_iype

Object_Name

Property

Object_Identifier

Nax_Into_Frames Max_Master

Database_Revision

Tuo9miT_UQ9A

Object_List [8]

rotocol_Services_Supported

hplication_Software_Version

Binary Input Objects 1 ... 4

List_Of_Group_Members

Object_Type

Object_Name

Object_ldentifier

Group Object 1 ... 3

11-1187 - MC Technology GmbH - 899_299-01 + -02 + -06 + -08 - Widerdruck 1 - 29.06.2011 11:07:08 - BlackColor