EPJcolor

Remote user interfaces (with CAN port)



Micro-switch

to insert the RS-485 MODBUS port termination resistor to insert the CAN port termination resistor

Temperature (AI1) sensor: according to the model.





2.2.3 Electrical connection with device powered by a controller (for example c-pro 3 OEM)





2.2.4 Insertion of the RS-485 MODBUS port and CAN port termination resistor To insert the RS-485 MODBUS port termination resistor, place micro-switch 1 in position ON. To insert the CAN port termination resistor, place micro-switch 2 in position ON. The micro-switch is at the back of the device (remove the back shell from the front before).

PRECAUTIONS FOR ELECTRICAL CONNECTION

- If using an electrical or pneumatic screwdriver, adjust the tightening torque
- If the device has been moved from a cold to a warm place, the humidity may have caused condensation to form inside. Wait about an hour before switching on the power
- Make sure that the supply voltage, electrical frequency and power are within the set limits. See the section TECHNICAL SPECIFICATIONS
- Disconnect the power supply before doing any type of maintenance
- Do not use the device as safety device
- For repairs and for further information, contact the EVCO sales network; possible returns without label data will not be accepted.

3 USER INTERFACE

ightarrow esc ightarrow HOME USEF **V**ENTER ESCAPE V RIGHT LEFT DOWN



2.1

Models for panel mounting

2.1.1 Connectors and parts





2.2

2.2.1

Connec

N. 1

2 3

5 6

INSTALLATION PRECAUTIONS

- Ensure that the working conditions are within the limits stated in the TECHNICAL SPECIFICATIONS section
- Do not install the device close to heat sources, equipment with a strong magnetic field, in places subject to direct sunlight, rain, damp, excessive dust, mechanical vibrations or shocks
- In compliance with safety regulations, the device must be installed properly to ensure adequate protection from contact with electrical parts. All protective parts must be fixed in such a way as to need the aid of a tool to remove them.

2 ELECTRICAL CONNECTION

	Ν	.В.
	-	Use cables of an adequate section for the current running through them
	-	To reduce any electromagnetic interference connect the power cables as far away
		as possible from the signal cables and connect to a CAN network and RS-485 $$
		MODBUS network by using a twisted pair.

	odels for wall mounting onnectors and parts	
	EPJcolor	
ec	r 1	
	DESCRIPTION	
	CAN port reference -	
	CAN port reference +	
	levice power supply (24 VAC/12 30 VDC). If the device is fed by DC power, of	con-
	nect terminal minus	
	levice power supply (24 VAC/12 30 VDC). If the device is fed by DC power, of	con-
	nect terminal plus	
	eference RS-485 MODBUS port	
	RS-485 port reference -	
	RS-485 port reference +	

Connector 2: USB port, for programming the device.

3.1	Switching the device on and off						
1.	Power up the de	Power up the device: an internal test will be run.					
2.	Touch the low part of the display to show the sensitive areas.						
4	SETTINGS						
4.1	Setting configu	ration parameters of "Parameters" and "Networks" menu					
Ö ₀	N.B. Turn off the pov	ver after changing the configuration.					
1.	Touch the low p	art of the display to show the sensitive areas.					
2.	مر	Touch the USER area: the display will show the frame "Network Status (CAN)".					
3.	←	Touch the ENTER area: the display will show the frame "V-COLOR BROWS".					
4.	و 🛆 ک	Touch the UP or DOWN area to select a menu.					
5.	←	Touch the ENTER area to access a menu: the display will show the frame "Input Password".					
6.	←	Touch the ENTER area again.					
7.	و کې	Touch the UP or DOWN area to set "-19".					
8.	←	Touch the ENTER area: the display will show the frame of the menu.					
9.	ý 🛆 y	Touch the UP or DOWN area to select a parameter.					

EVCO S.p.A. | EPJcolor | Instruction sheet ver. 1.0 | Code 104PJCOLORE103 | Page 2 of 2 | PT 27/20

10.	┥	Touch the ENTER area.
11.	و کم	Touch the UP or DOWN area to set the value.
12.	-	Touch the ENTER area.
13.	esc	Touch the ESCAPE area a few times to return to the previous displays.

4.2 Set the date and time

1.	Touch the low part	of the display to show the sensitive areas.
2.	مر	Touch the USER area: the display will show the frame "Network Status(CAN)".
3.	↓	Touch the ENTER area: the display will show the frame "V-COLOR BROWS".
4.	و کم	Touch the UP or DOWN area to select the date and time.
5.	↓	Touch the ENTER area.
6.	و طلع	Touch the LEFT or RIGHT area to select a field.
7.	و 🖉 ک	Touch the UP or DOWN area to set the value.
8.	↓	Touch the ENTER area.
9.	esc	Touch the ESCAPE area a few times to return to the previous dis- plays.

Set the language to show the words of the project (if foreseen and if the de-4.3 vice works in "programmable" mode)

1. Touch the low part of the display to show the sensitive areas.

2.	عر	Touch the USER area: the display will show the frame "Network Status(CAN)".
3.	-	Touch the ENTER area: the display will show the frame "V-COLOR BROWS".
4.	و 🕰	Touch the UP or DOWN area to select "Languages".
5.	-	Touch the ENTER area.
6.	و 🛆 و	Touch the UP or DOWN area to select the language.
7.	↓	Touch the ENTER area.
8.	esc	Touch the ESCAPE area a few times to return to the previous displays.

CONFIGURATION UPLOAD/DOWNLOAD

5.1 Parameters upload/download (if the device works in "programmable" mode) Q N.B. configuration upload/download is allowed on condition that parameters of origin coincide with parameters of destination upload/download normally takes a few seconds. Touch the low part of the display to show the sensitive areas. 1. Touch the USER area: the display will show the frame "Network 2. ~ Status(CAN)". Touch the ENTER area: the display will show the frame "V-COLOR **~**__' 3. BROWS" و کړ 4. Touch the UP or DOWN area to select "Backup/Restore". Touch the ENTER area to access a menu: the display will show -----5. the frame "Input Password". **~**__ 6. Touch the ENTER area again. ¢ ∆ٍ¢ 7. Touch the UP or DOWN area to set "-19". Touch the ENTER area: the display will show the frame "Back------8. up/Restore" و کړ ک 9. Touch the LEFT or RIGHT area to select a field. FIELD MEANING USB Key upload/download from USB flash drive Backup Memory upload/ download from device memory **~** 10. Touch the ENTER area: the display will show the relative frame. و کې 11. Touch the LEFT or RIGHT area to select a field. FIELD MEANING Application paproject parameters rameters Hardware conconfiguration parameters figuration 12. ----Touch the ENTER area. Touch the UP or DOWN area to select "Restore from USB"/"Save on USB" (for field selection "USB Key") or to select ¢ √_^ ¢ 13. "Restore from memory" / "Save on memory" (for field selection "Backup Memory"). Touch the ENTER area: the configuration upload/download will be **~**__ 14. run. Touch the ESCAPE area a few times to return to the previous disesc 15. plays

	N.	PARAMETER	DEF.	"Languages" MENU (READ ONLY)	MIN MAX.
	7	English	-	showing in English the	Available if the application
				seen)	control foresee the multilan-
	8	Italian	-	project words (if fore-	guage management
	9	Français	-	seen) showing in French the	
•				project words (if fore- seen)	
	10	Español	-	showing in Spanish the project words (if fore-	
	11	Doutoob		seen)	
		Deutsch	-	project words (if fore-	
	12	Russian	-	seen) showing in Russian the	
				project words (if fore- seen)	
	13	Portoguês	-	showing in Portoguese the project words (if	
	N	PARAMETER	DEE	foreseen) "Parameters" MENU	MIN MAX
	14	Date Char	-	ASCII character as data	-
	15	Year format	YY	year format	YY = 2 numbers
	16	Date format	dd	data format	yy mm dd = year, month
			mm УУ		and day mm dd yy = month, day
					and year dd mm yy = day, month
	17	Time Char		ASCII character as bour	and year
	17	Separator		separator	-
	18	lime With Sec	YES	showing time with se- conds	NO = no YES = yes
	19	Time AM/PM	NO	time format	NO = 24 h YES = 12 h
	20	Backlight Mode	TIME	backlight type	off = off on = on
*	21	Backlicht	60	timeout backlight	TIME = with Backlight Timeout
	21		00		0240 S
	22	I/O Timeout	60	delay remote I/O disa- bling from CAN commu-	0 240 s
	23	Refresh	0	nication absence update variables timeout	0 100 ms
	24	Timeout Print Loading	NO	showing "Loading"	NO = no
		5		during project page load-	YES = yes
	25	Password	60	"Parameters", "Net-	0 240 s
		Timeout		works" and "Back- up/Restore" menu pass-	
	26	Beep Mode	2	word timeout beep type when touching	0 = never
				the display	1 = always 2 = if the area is sensitive
	27	Print Frame	0	showing frames instead low size pages	0 = no 1 = yes
	N.	PARAMETER	DFF.	"Networks > CAN bus"	MIN MAX.
	28	MyNode	00	MENU CAN address	1 127
	20	ingitodo		0.111 4441 055	
	29	Master	-	reserved	-
	29 30	Master Baud	- Auto	reserved CAN baud rate	- 20K = 20,000 baud 50K = 50,000 baud
	29 30	Master Baud	- Auto	reserved CAN baud rate	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud
	29 30	Master Baud	- Auto	reserved CAN baud rate	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of
	29 30 31	Master Baud Timeout	- Auto	reserved CAN baud rate delay exclusion device in	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s
	29 30 31	Master Baud Timeout	- Auto	reserved CAN baud rate delay exclusion device in CAN network from ab- sence of communication	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s
	29 30 31 32	Master Baud Timeout Network	- Auto 5 -	reserved CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127
	29 30 31 32 N.	Master Baud Timeout Network Node PARAMETER	- Auto 5 - DEF.	reserved CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus >	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX.
	29 30 31 32 N. 33	Master Baud Timeout Network Node PARAMETER Cnt Rx	- Auto 5 DEF.	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac-	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999
	29 30 31 32 N. 33 34	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Tx	- Auto 5 - DEF. -	reserved CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
	29 30 31 32 N. 33 34 35	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Tx Cnt Ovf	- Auto 5 - DEF. - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
\oplus	29 30 31 32 N. 33 34 35 36	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive	- Auto 5 - DEF. - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999
\oplus	29 30 31 32 N. 33 34 35 36	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive	- Auto 5 - DEF. - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted passive	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999 0 9999
\oplus	29 30 31 32 N. 33 33 34 35 36 37	Master Baud Timeout Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off	- Auto 5 - DEF. - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted passive number of intercepted passive number of intercepted passive	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999 0 9999 0 9999
	29 30 31 32 N. 33 34 35 36 37 38 39	Master Baud Timeout Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid	- Auto 5 - DEF. - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted bus off number receipts ok number of transmissions	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999
	29 30 31 32 33 33 33 34 35 36 37 38 39 40	Master Baud Timeout Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid	- Auto 5 - DEF. - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted passive number of intercepted bas off number receipts ok number of transmissions ok	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud S00K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999
\oplus	29 30 31 32 33 33 34 35 36 37 38 39 40 41	Master Baud Timeout Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid	- Auto 5 - DEF. - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions in error number of receipts in er-	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999 0 9999
\oplus	29 30 31 32 33 34 35 36 37 37 38 39 40 41 42	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Rx Err	- Auto 5 - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted passive number of intercepted passive number of intercepted passive number of transmissions ok number of transmissions in error number of receipts in er- ror number stuff errors	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
\oplus	29 30 31 32 33 33 34 35 36 37 38 39 40 41 41 42 43	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Stuff	- Auto 5 - DEF. - - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted bus off number of transmissions ok number of transmissions in error number of receipts in er- ror number for merrors number ack errors	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
\oplus	29 30 31 32 33 34 35 36 37 38 39 40 41 41 42 43 44 45	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Form Cnt Ack Cnt Bit1 Cnt Bit1	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of cAN bus > CAN status" MENU number of transmitted packages number of intercepted packages number of intercepted passive number of intercepted passive number of transmissions ok number of transmissions in error number of transmissions in error number of receipts in er- ror number form errors number form errors number form errors number bit errors	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
\oplus	29 30 31 32 33 33 33 33 33 33 33 33 34 33 34 40 41 41 42 43 44 45 46 47	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Rx Err Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Form Cnt Ack Cnt Bit1 Cnt Bit0 Cnt CRC	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node wetworks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted overflow number of intercepted bus off number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions in error number of receipts in er- ror number of receipts in er- ror number of receipts in er- ror number of receipts in er- ror number of merrors number form errors number bit1 errors number bit1 errors number bit0 errors	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999
\oplus	29 30 31 32 33 34 35 36 37 38 37 38 39 40 41 41 42 43 44 45 46 47 N.	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt CRC PARAMETER	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted passive number of intercepted bus off number of transmissions ok number of transmissions ok number of transmissions ok number of transmissions in error number of receipts in er- ror number of errors number of crors number CRC errors	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9990 0 9999 0 9990 0 9990 0 9990 0 900 0
	29 30 31 32 33 34 35 36 37 37 36 37 37 38 39 40 41 41 42 43 44 45 46 47 N. 848 49	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Rx Err Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Form Cnt Ack Cnt Bit1 Cnt Bit0 Cnt CRC PARAMETER BrP SJW	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node *Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted packages number of intercepted packages number of intercepted passive number of intercepted bus off number of transmissions in error number of transmissions in error number of transmissions in error number of receipts in er- ror number stuff errors number ack errors number bit1 errors number bit0 errors number CRC errors *Networks > CAN bus > CAN Bit Timing" MENU reserved	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9909 0 9999 0 900 0 900 0 900 0 900 0 900 0 900 0 900
	29 30 31 32 33 33 34 35 36 37 38 37 38 39 40 41 42 43 44 45 46 47 N. 848 49 50 50	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit0 Cnt Bit0 Cnt Bit0 Cnt CRC PARAMETER BrP SJW T.SEG1	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted overflow number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions con number of transmissions ok number of transmissions ok num	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9990 0 9999 0 9990 0 9990 0 9990 0 9900 0.
	29 30 31 32 33 34 35 36 37 33 34 35 36 37 38 39 40 41 41 42 43 44 45 46 47 N. N. 8 39 50 51 N.	Master Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Suff SJW T.SEG1 T.SEG1 PARAMETER	- Auto	reserved CAN baud rate CAN baud rate paysical node joined to the logic node sence of communication physical node joined to the logic node can baud rate sence of communication reversion can baud rate paysaive number of transmitted passive number of intercepted passive number of intercepted passive number of intercepted passive number of transmissions in error number of transmissions in error number of transmissions in error number of transmissions in error number of receipts in er- ror number of receipts in er- ror number form errors number bit1 errors number bit1 errors number bit0 errors number bit0 errors number CR errors 'Networks > CAN bus > CAN bit Timing' MENU reserved reserved reserved 'Networks > UART'	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 MIN MAX.
	29 30 31 32 N. 33 34 35 36 37 38 39 40 41 42 43 34 44 45 46 47 N. 48 49 50 51 N. 52 52 52 52	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Rx Err Cnt Rx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit1 Cnt Bit0 Cnt Ack Cnt Bit1 Cnt Bit0 Cnt CRC PARAMETER BrP SJW T.SEG1 T.SEG1 T.SEG1 T.SEG1	- Auto	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted overflow number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions in error number of transmissions in error number of transmissions ok number of transmissions in error number of transmissions in error number of transmissions in errors number for merrors number bit1 errors number bit1 errors number bit0 errors number cRC errors "Networks > CAN bus > CAN Bit Timing" MENU reserved reserved "Networks > UART" MCDBUS address	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9990 0 9990 0 9990 0 9900 0 9900 0 9000 0 9000 0 9000 0 9000 0 9000 0 9000 0 9000 0 9000 0 9000 0.
	29 30 31 32 33 34 35 36 37 38 37 36 37 38 37 40 41 42 43 44 45 46 47 N. 82 51 N. 82 53	Master Baud Dave Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Rx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Ack Cnt Bit1 Cnt Bit0 Cnt CRC PARAMETER BrP SJW T.SEG1 T.SEG1 PARAMETER Address Parity	- Auto 5 - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate CAN baud rate can be average can be average can be average can be average can be average can be average can be average number of cransmitted packages number of intercepted overflow number of intercepted packages number of transmissions ok number of transmissions in error number of transmissions in error number of receipts in er- ror number of receipts in er- ror number form errors number bit1 errors number bit0 errors number bit0 errors number CR errors 'Networks > CAN bus > CAN bit Timing' MENU reserved reserved reserved reserved reserved 'Networks > UART' MENU MODBUS address	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 900 0 900
	29 30 31 32 33 33 34 35 36 37 38 39 40 41 42 43 37 40 41 42 43 44 45 46 47 N. 82 50 51 N. 52 53 54	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit1 Cnt Bit0 Cnt CRC PARAMETER BrP SJW T.SEG1 T.SEG1 T.SEG1 T.SEG1 PARAMETER Address Parity	- Auto 5 - DEF. - - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of ceceived pac- kages number of transmitted packages number of intercepted overflow number of intercepted overflow number of intercepted overflow number of intercepted bus off number of transmissions in error number for receipts in er- ror number for merrors number bit1 errors number Ververs number Ververs	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 94 1 047 none = none odd = odd even = even 1200 = 1,200 baud
⊕ Id	29 30 31 32 N. 33 34 35 36 37 38 37 38 39 40 41 42 43 44 45 40 41 42 43 44 45 50 51 N. 52 53	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Rx Cnt Ovf Cnt Passive Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Tx Err Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit0 Cnt CRC PARAMETER BrP SJW T.SEG1 PARAMETER BrP SJW T.SEG1 PARAMETER Address Parity Baudrate	- Auto 5 - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted passive number of intercepted bus off number of transmissions ok number of transmissions number of transmissions ok number of transmissions ok number of transmissions number of transmissi	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 94 MIN MAX. - - - - - - - - - - - - -
	29 30 31 32 33 33 34 35 36 37 38 39 40 41 42 43 37 40 41 42 43 44 45 46 47 N. 82 51 N. 52 53 54	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stu	- Auto 5 - DEF. - - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted overflow number of intercepted bus off number of intercepted bus off number of intercepted bus off number of ransmissions in error number of transmissions in error number for receipts in er- ror number for merrors number bit1 errors number bit0 errors number bit1 errors number cRC errors "Networks > CAN bus > CAN Bit Timing" MENU reserved reserved reserved moDBUS address MODBUS baud rate	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 900 1 900
Ð	29 30 31 32 N. 33 34 35 36 37 38 39 40 41 42 43 44 45 6 40 41 42 43 44 45 50 51 N. 52 53 54	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Rx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit0 Cnt Ack Cnt Bit1 Cnt Stuff Cnt Bit0 Cnt CRC PARAMETER Address Parity Baudrate	- Auto 5 - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of transmitted packages number of intercepted overflow number of intercepted bus off number of intercepted bus off number of transmissions ok number of number of nu	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. [1] 1 [32] 127 [1] 1 [32] 120 [1] 1
	29 30 31 32 N. 33 34 35 36 37 38 39 40 41 42 43 36 40 41 42 43 44 45 46 47 N. 48 49 50 51 N. 52 53 54	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Tx Cnt Ovf Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Ack Cnt Bit Cnt CRC PARAMETER Address Parity Baudrate	- Auto 5 - DEF. - - - - - - - - - - - - - - - - - - -	reserved CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node 'Networks > CAN bus > CAN status' MENU number of received pac- kages number of transmitted packages number of intercepted packages number of intercepted packages number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions in error number of transmissions in erro	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 900 1 900
Ð	29 30 31 32 N. 33 34 35 36 37 38 39 40 41 42 43 44 45 50 51 N. 52 53 54 55 55	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Rx Cnt Ovf Cnt Passive Cnt Bit Cnt Bit Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Stuff Cnt Bit Cnt B	- Auto 5 - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node "Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted bus off number of intercepted bus off number of transmissions ok number of transmissions ok NUMBUS address MODBUS baud rate MODBUS baud rate	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 9999 0 9999 1 900 1 900
⊕ t	29 30 31 32 N. 33 34 35 36 37 36 37 38 39 40 41 42 43 44 45 46 47 N. 48 49 50 51 N. 52 53 54 55 N.	Master Baud Baud Timeout Network Node PARAMETER Cnt Rx Cnt Rx Cnt Crt Cnt Passive Cnt Bus Off BufRx Valid BufTx Valid BufTx Valid BufTx Valid Cnt Stuff Cnt Stuff Bif Stop Baudrate	- Auto - - - - - - - - - - - - - - - - - - -	reserved CAN baud rate CAN baud rate delay exclusion device in CAN network from ab- sence of communication physical node joined to the logic node *Networks > CAN bus > CAN status" MENU number of received pac- kages number of received pac- kages number of intercepted packages number of intercepted passive number of intercepted bus off number of intercepted bus off number of transmissions in error number of transm	- 20K = 20,000 baud 50K = 50,000 baud 125K = 125,000 baud 500K = 500,000 baud Auto = automatic recognizing of baud rate if one of the previous 0 240 s [1] 1 [32] 127 MIN MAX. 0 9999 0 9999 1 94 1 247 none = none odd = odd even = even 1200 = 1,200 baud 2400 = 2,400 baud 2400 = 2,400 baud 19200 = 19,200 baud 19200 = 19,200 baud 19200 = 38,400 baud 38400 = 38,400 baud 57600 = 57,600 baud 1 bit = 1 bit 2 bit = 2 bit MIN MAX.

		Status Idle		reserveu		-	
	N	Init Speed	DEE	"Diagnostic	" MENUL	MIN	MAY
	IN.	FARAIVIETER	DEF.	(READ ONL)	Y)	101110	WAA.
	58	EEPROM	-	EEPROM me	emory status	OK =	not in error
	59	RTC	-	clock status	3	OK ERR LOW	 not in error in error data lost
2	60	STACK	-	stack status	\$	DISAE OK =	not in error
	61	МАТН	_	math status		ERR =	in error (for overflow)
	01	MATT	-	math status	5	ERR =	in error (for overflow underflow, division b zero or NaN)
	62	KEY PAR	-	result upl via USB pro figuration p	oad/download oject and con- arameters	OK = ERR =	 succesfully completed unsuccessfully com pleted
	N.	PARAMETER	DEF.	"Debug" N	MENU (READ	MIN	MAX.
	63	Main time	-	main cycle ware (ms)	time for soft-	-	
	64	max time main	-	maximum cycle time f	value main or software	-	
☞	65	free stack main	-	minimum f	ree stack of	-	
	66	100ms time	-	reserved		-	
	67	max time 100 ms	-	reserved		-	
	68	free stack 100 ms	-	reserved		-	
	N.	PARAMETER	DEF.	"Sensor" M ACCORDING MODEL)	ENU (VISIBLE G TO THE	MIN	MAX.
O,	69	Temperature	-	incorporate temperature (AI1)	d sensor e reading	-	
	70	Offset	0.0	incorporate temperature	d sensor e reading off-	-10.0.	10.0 °C
mousu	011101		Mo	dels for wall	mounting	(4 3/8 111.4	x 76.4 x 18.5 mr
Mounti	ng m	ethods for the d	control	device	According to	(4 3/8 the r	3 x 3 x 3/4 in) nodel, panel mountin
					(with elastic (with bolts and most common	holding nd faste	I flaps), wall mountin ening screws) or in th
Degree	of n	rotaction provid	led by t	he covering	(with elastic (with bolts and most common tening screws	holding nd faste n flush)	I flaps), wall mountin ening screws) or in th mounting box (with fas
Degree	e of pi	rotection provid	led by t	he covering	(with elastic (with bolts all most common tening screws IP30 (IP65 in el mounting	holding nd faste n flush) case of Remo	I flaps), wall mountin ening screws) or in th mounting box (with fas panel mounting) vable screw termina
Degree	e of pi	rotection provic method	led by t Mc Mc	he covering dels for pane	(with elastic (with bolts and most common tening screws IP30 (IP65 in the mounting mounting	holding nd faste flush) case of Remo blocks Fixed	I flaps), wall mountin ening screws) or in th mounting box (with fas panel mounting) vable screw termina s for wires up to 1 mm ² screw terminal block
Degree	e of pi ction	rotection provid method ermitted length	led by t Mc Mc	the covering odels for pane odels for wall	(with elastic (with bolts and most common tening screws IP30 (IP65 in all mounting mounting	holding nd faste flush case of Remo blocks Fixed for wi	I flaps), wall mountin ening screws) or in th mounting box (with fas panel mounting) vable screw termina s for wires up to 1 mm ² screw terminal block res up to 1 mm ²
Degree Connec Maximu Power CAN pc - 1,00 - 500	e of protection um protection suppl prt: 00 m m (1	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with bz	for cor ft) baud rate	he covering odels for pane odels for wall nection cable ate 20.000 bau	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting RS-485 MODE ud	holding nd faste flush) case of Blocks Fixed for wi	I flaps), wall mountin ening screws) or in th mounting box (with fas panel mounting) vable screw termina is for wires up to 1 mm ² screw terminal block res up to 1 mm ² t: 1,000 m (3,280 ft)
Degree Connec Maximu Power CAN pc - 1,00 - 500 - 250 - 50 n Over 1	<u>e of p</u> ction um pe suppl ort: 00 m m (1 m (8 n (16 0 m (1	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with ba (3,280 ft) with ba 20 ft) with baud (32.8 ft) use a s	for cor for cor t) baud rate d rate 1 rate 50 shielded	he covering idels for pane idels for wall inection cable ate 20.000 bau 25.000 baud 25.000 baud d cable	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in mounting mounting RS-485 MODE	holding nd faste flush) case of Remo blocks Fixed for wi BUS por	flaps), wall mounting ming screws) or in the mounting box (with fass panel mounting) vable screw terminal s for wires up to 1 mm ² screw terminal block res up to 1 mm ² t: 1,000 m (3,280 ft)
Degree Connec Power 7 CAN pc - 1,00 - 500 - 250 - 50 n Over 11 Operat	e of p ttion um pe suppl ort: 00 m m (1 m (8 n (166 0 m (1 ing te	rotection provid method ermitted length y: 10 m (32.8 l (3,280 ft) with ,640 ft) with bau 20 ft) with baud 32.8 ft) use a s mperature	led by t Mc for cor ft) baud rate d rate 1 rate 50 shielded	the covering odels for pane odels for wall anection cable ate 20.000 bau 25.000 baud 0.000 baud d cable	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in I mounting mounting RS-485 MODE ud	holding nd faster flush) case of Blocks Fixed for with BUS por	<pre>i flaps), wall mounting ening screws) or in the mounting box (with fast panel mounting) vable screw terminal screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) room 14 to 131 °F) com 14 to 131 °F)</pre>
Degree Connec Power CAN pc - 1,00 - 250 - 50 - 50 Over 10 Operat Storage Operat	e of pro- ction suppl ort: 00 m (1 m (8 n (16 0 m (ing te e terr ing h	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with 640 ft) with baud 32.8 ft) use a s emperature operature umidity	led by t Mc Mc for cor ft) baud rate 1 rate 50 shieldec	he covering idels for pane idels for wall inection cable ite 20.000 bau 25.000 baud 0.000 baud d cable	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting rs RS-485 MODE ud f From -10 to 5 From -20 to 7 Relative humi	holding nd fastn flush) case of Remo blocks Fixed for wi 3US por	<pre>i flaps), wall mounting ming screws) or in the mounting box (with fas panel mounting) vable screw terminal s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) rom 14 to 131 °F) rom -4 to 158 °F) hout condensate from the screw terminal block results of the screw terminal block results of the</pre>
Degree Connec Power 1 CAN pc - 1,00 - 500 - 500 Over 1 Operat Storage Operat Pollutic	e of pr ttion um pr suppl ort: 00 m (1 m (8 0 m (1 ing te e terr ing h on sta	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with ,640 ft) with baud 20 ft) with baud 20 ft) with baud 32.8 ft) use a s emperature uperature umidity tus of the contri	ied by t Mc Mc for cor for cor ft) baud rate d rate 1 shieldec	he covering odels for pane odels for wall anection cable ate 20.000 baud 25.000 baud 0.000 baud d cable ce	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting RS-485 MODE ad From -10 to 5 From -20 to 7 Relative humi to 95% 2	holding d fasts a flush) case of blocks Fixed for wi BUS por	i flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw terminal is for wires up to 1 mm ² screw terminal block res up to 1 mm ² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) to m 14 to 131 °F) rom 14 to 158 °F) hout condensate from 1
Degree Connec Connec CAN po - 1,00 - 500 Over 11 Operat Storage Operat Pollutic Compli	e of pr ction suppl ort: 00 m (1 m (16 0 m (1 ing te e terr ing h on sta ance 2011/	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with bau (3,280 ft) with bau 20 ft) with bau 4 ft) with bau 4 ft) with bau 4 ft) with bau 4 ft) with bau 32.8 ft) use a s emperature uperature umidity tus of the contri 65/EC	ied by t Mc Mc for corr t) baud rate d rate 1 d rate 1 d rate 5 co shieldec	the covering indels for pane indels for wall interaction cable inte 20.000 baud 25.000 baud 00.000 baud d cable ce	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting rs RS-485 MODE ud f From -10 to 5 From -20 to 7 Relative humi to 95% 2	holding nd fasts a flush) case of Blocks fixed for wi 3US por	I flaps), wall mounting ning screws) or in the mounting box (with fas panel mounting) vable screw termina is for wires up to 1 mm ² screw terminal block res up to 1 mm ² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) rom 14 to 131 °F) rom -4 to 158 °F) hout condensate from 1
Degree Connec Power - CAN pc - 1,000 - 500 - 250 - 500 - 250 - 500 - 250 - 500 - 250 - 500 - 250 - 500 - 250 - 200 - 250 - 200 - 20	um pro- suppl ort: 00 m (1 m (16 0 m (1 ing te e terr ing h on sta ance 2011/ (EC)	rotection provid method ermitted length y: 10 m (32.8 l (3,280 ft) with ,640 ft) with baud 32.8 ft) use a s emperature operature umidity tus of the contr 65/EC Regulation N.	ied by t Mc for cor ft) baud rate d rate 1 rate 5CC shieldec	he covering idels for pane idels for wall intection cable 50.000 baud 50.000 baud 1 cable ce ce	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting rs RS-485 MODE ud from -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30	holding d fasts a flush) case of blocks Fixed for wi BUS por	(flaps), wall mounting ening screws) or in the mounting box (with fass panel mounting) vable screw terminal screw terminal block res up to 1 mm ² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) rom 14 to 131 °F) rom -4 to 158 °F) hout condensate from the RED 2014/53/UE
Degree Connec Power CAN pc - 1,00 - 500 - 250 - 50 n Over 11 Operat Pollutic Complia RoHS 2 REACH Power	um per suppl ort: 00 m (1 m (8 0 m (1 ing te e tem ing h (1 0 m (2 0 m (rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with bau 20 ft) with bau 20 ft) with bau 21 ft) use a s mperature mperature umidity tus of the contri 65/EC Regulation N. y	led by t Mc Mc for corr ti) baud rate tate 1 baud rate 1 cate 2 col devi	the covering odels for pane odels for wall intection cable s 50.000 baud 25.000 baud 00.000 baud d cable ce ce	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in Il mounting mounting rs RS-485 MODE ud d From -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30 24 VAC (±15	holding d fasts a flush) case of Blush j) fixed for wi BUS por 8US por 8US por 9/EU //UE 9/EU	I flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw termina s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) com 14 to 131 °F) rom -4 to 158 °F) hout condensate from RED 2014/53/UE 0/60 Hz (±3 Hz), max or 12 30 VDC, max
Degree Connec Connec CAN pc - 1,00 - 500 - 50 - 5	e of pu ction suppl ort: 00 m (1 m (8 n (16 0 m (1 ing te e tem ing h on sta ance 2011/ (EC) suppl	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with ,640 ft) with baud 32.8 ft) use a s emperature umidity tus of the contri 65/EC Regulation N. y	led by t Mc Mc for corr t) baud rate td rate 1 baud rate for devi	he covering idels for pane idels for wall inection cable is 50.000 baud 25.000 baud 0.000 baud d cable ce	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting rs RS-485 MODE is RS-485 MODE ud d From -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30 24 VAC (±15 4 VA not ins 2 VA not ins 2 VA not ins	holding nd fasts flush) case of Remo blocks Fixed for wi BUS por 5 °C (fn dity wit 9/EU 9/EU 9/EU 1/UE 1%%), 50 ulated (i lated (i Introller	I flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw terminal s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) rom 14 to 131 °F) rom -4 to 158 °F) hout condensate from 1 MED 2014/53/UE 0/60 Hz (±3 Hz), max or 12 30 VDC, max ndependent power sup
Degree Connec Connec CAN pc - 1,00 - 250 -	e of pr ction suppl ort: 00 m (1 m (8 m (16 0 m (1 m (8 m (16 0 m (1 m (8 m (16 0 m (1 m (2 m (2 0 m (1 m (1 m (2 0 m (1 m (1 m (2 0 m (1 m (1 m (1 m (2 0 m (1 m (1 m (2 0 m (1 m (1 m (2 0 m (1 m (1 m (1 m (2 0 m (1 m (1 m (1 m (1 m (1 m (1 m (1 m (1	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with bau 20 ft) with bau 20 ft) with bau 21 ft) with bau 32.8 ft) use a s mperature imperature unidity tus of the contri- 65/EC Regulation N. y	led by t Mc Mc for corr ti) baud rate ud rate 1 d rate 50 shielded rate 50 rol devi 1907/2	the covering odels for pane odels for wall inection cable ate 20.000 baud 25.000 baud 00.000 baud d cable ce ce 006	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in Il mounting mounting RS-485 MODE ud d From -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30 24 VAC (±1E 4 VA not insu ply or by a co None t	holding d fasts a flush) case of Blush for wi BUS por 8US por 8US por 9/EU //UE 9/EU //UE	Image: provide a stress of the stress of
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Degree Connec Connec CAN pc - 1,000 - 500 - 500	a of price o	rotection provid method armitted length y: 10 m (32.8 f (3,280 ft) with ,640 ft) with baud 20 ft) with baud 20 ft) with baud 32.8 ft) use a s amperature umidity itus of the contu- itus of the contu- itus of the contu- 65/EC Regulation N. y thods for the co se-withstand vice e category uss and structure	ied by 1 Mc for cor for cor ft) baud rate d rate 1 rate 5C shieldec shieldec ud rate 1907/2	he covering idels for pane idels for wall inection cable 25.000 baud 25.000 baud d cable ce ce 006	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in al mounting mounting rs RS-485 MODE and From -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30 24 VAC (±1£ 4 VA not ins 2 W not insu ply or by a co None I 330 V A	holding nd fasts a flush) case of Remo blocks Fixed for wi 3US por 3US por 0 °C (fi dity wit 9/EU //UE %%), 55 ulated (i ntroller	I flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw terminal s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) rom 14 to 131 °F) rom -4 to 158 °F) hout condensate from 1 RED 2014/53/UE 0/60 Hz (±3 Hz), max ndependent power sup)
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Degree Connec Connec CAN pc - 1,000 - 250 - 500 - 250 - 250	a of prices of prices of prices of prices of prices of prices of the supple of the sup	rotection provid method armitted length y: 10 m (32.8 f (3,280 ft) with back 20 ft) with back 20 ft) with back 20 ft) with back 32.8 ft) use a s amperature umidity tus of the contri- section of the contri- def/EC Regulation N. y thods for the contri- def/EC Regulation N. y thods for the contri- def/EC Regulation N. y	led by t Mc Mc for corr t) baud rate d rate 1 d rate 1 d rate 50 d	he covering idels for pane idels for wall inection cable 25.000 baud is 50.000 baud id cable ce ce 006 levice bsence of a	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in a mounting screws RS-485 MODE and an	holding holding holding fasts a flush) case of Remo blocks: Fixed for will 3US por for will 3US por for will 3US por for will automatic for will automatic for will a	<pre>i flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw terminal s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) t: 1,000 m (3,280 ft) for -4 to 158 °F) hout condensate from the mount of the terminal for the terminal block res up to 1 mm² t: 1,000 m (3,280 ft) for -4 to 158 °F) hout condensate from the hout condensate from the for -4 to 158 °F) hout condensate fr</pre>
Degree Connec Connec Power 1 CAN poc - 500 - 500 - 500 - 250 - 500 - 250 - 250	e of pr ction um pr suppl ort: 00 m (1 m (16 0 m (1 ing te e tem ing h 0 m (2 ing te e tem ing te e tem ing h ortsta ance con (1 ing te e tem ing h ing te e tem ing h ortsta ance con (1 ing te e tem ing h ing te e tem ing h ing te e tem ing te con (1 ing te e tem ing te con (1 ing te e tem ing te con (1 ing te con (1 con	rotection provid method ermitted length y: 10 m (32.8 f (3,280 ft) with bau 20 ft) with bau 20 ft) with bau 21 ft) use a s mperature unidity tus of the contri- segulation N. y thods for the contri- 65/EC Regulation N. y thods for the contri- 65/EC se-withstand voi e category ss and structur ry autonomy ir y y charging time er d sensors:	led by t Mc Mc Mc Mc Mc Mc Mc Mc Mc Mc	he covering dels for pane dels for wall nection cable 50.000 baud 50.000 baud 50.000 baud 1 cable ce 0006 levice bsence of a	(with elastic (with bolts ar most commor tening screws IP30 (IP65 in Il mounting mounting RS-485 MODE ud d S From -10 to 5 From -20 to 7 Relative humi to 95% 2 WEEE 2012/1 EMC 2014/30 24 VAC (±15 4 VA not insu ply or by a co None 1 330 V A Incorporated ≤ 55 s/month 6 momths 24 h (the ba supply of the Colour touch- Built-in temperature (holding nd fasts a flush) case of Blush j) case of block: Fixed for wi 3US por 3US por 3US por 3US por 0 °C (fi dity wit 3US por 0 °C (fi dity wit 9/EU //UE %%), 5C ulated lated (i ntroller seconda a t 25 ttery is device) screen	I flaps), wall mounting ening screws) or in the mounting box (with fas panel mounting) vable screw termina s for wires up to 1 mm² screw terminal block res up to 1 mm² t: 1,000 m (3,280 ft) com 14 to 131 °F) rom -4 to 158 °F) hout condensate from ! //60 Hz (±3 Hz), max or 12 30 VDC, max ndependent power sup ary lithium battery °C (77 °F)

6.1	Access to "Info", "Diagnostic" and "Debug" menu (read only)				
1.	Touch the low part	Touch the low part of the display to show the sensitive areas.			
2.	~	Touch the USER area: the display will show the frame "Network Status(CAN)".			
3.	←	Touch the ENTER area: the display will show the frame "V-COLOR BROWS".			
4.	د کر کر	Touch the UP or DOWN area to select a menu.			
5.	-	Touch the ENTER area.			
6.	esc	Touch the ESCAPE area a few times to return to the previous displays.			

7 CONFIGURATION PARAMETERS

	Ν.	PARAMETER	DEF.	"Info" MENU (READ ON-	MIN MAX.
				LY)	
	1	PROJ	-	project information	=
	2	FW	-	firmware information	-
	3	HW	-	hardware information	-
\cap	4	SW	-	development environ-	-
$\mathbf{\nabla}$				ment information	
-	5	SN	-	serial number infor-	-
				mation and result of the	
				productive test	
	6	DATE	-	information on data and	-
				time last project compil-	
				ing	

X	N.B. The device must be disposed of according to local regulations governing the collection of electrical and electronic waste.

1 USB port

1 CAN port

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Communications ports 1 RS-485 MODBUS port