

TECHNICAL INSTRUCTION

Parameterization & change of direction of rotation (smart motor)



Description

The technical instruction describes the step-by step process for parameterizing and changing the direction of rotation of the smart motors.

Technical Instruction - Parameterization & change of direction of rotation (smart motor)





Technical Instruction - Parameterization & change of direction of rotation (smart motor)





3.2 IMPORTANT: the COM-Port has to be configurated. It will then be visible in the list on the left.



3.3 Right mouse button and click on "Detect (and Address) Motors on RS-232"

💐 SmartMotor Int	erface	
File Edit View	Communicatio	n Compile Tools Window Help
📄 📂 🔚 (🗊 % 🖻	R 🖸 🖬 i 🖕 🏘 👯 🖬
Configuration	×	Terminal
Find M	otors	Com5 Ethernet USB
Detected	Configuration	Open All Motors Ccm5,9600
Ethern	Port Prope	erties
ାର୍କ୍ଟି USB	Detect (and	d Address) Motors on RS-232
	Set Baud R	ate >
	Address RS	-232 Chain
	Download	Firmware

Technical Instruction - Parameterization & change of direction of rotation (smart motor)



Constitutor lateriac Re Eff. View Communication Complet Constitution Ford Material Ford Material Constitution	Tools Window Help	Detecting Smathfator on R5-22 dairy chain "Co	nS". Piese wal		-
Location Description 2 Detecting Smarthdoors on R For Help, press F1	5-222 dainy chain: "Conto"			(INUM (OVR
Sonartificator Interface Tel: Lid: View Communication Comple Configuration Complete Field View Communication Complete Complete Complete Field View Communication Complete Field View Communication Complete Comp	Tools Window Help Tools (158) Altwas: (Conf.Sec.01522) Altwas: (Conf.Sec.01522) and (158) ing the Notors (Bi-232) c stabilish a link to Notors ing the Notors (Bi-252) c stabilish a link to Notors ing the Notors (Bi-252) to stabilish a link to Notors ing the Notors (Bi-252) to stabilish a link to Notors ing the Notors (Bi-252) to stabilish a link to Notors ing the Notors (Bi-252) the link Notors (Bi-252)	Image: Second	f		
LL Description L Detecting SmathHotors on R5-222 dairy cha and blob mores 13	r."Con6"				98894 (YUE (







of the prog	ram.			
SmartMotor Interface - [MT_140 File Edit View Communicatio	I Upm_Dekade_gr] in Compile Tools Window Help	₩ ▶ ■ © λ 🗔 ₩2		- 0 X
Te La Vec Connuctor Contruction → Connuctor Fordition → Contruction → Contruction → Contruction → Contruction → Contruction → Contruction → Contru	Complex Table Window Help Complex Table Window Help Formation Complex Comple	Image: Description of the second s	M 1100 Upm_Disade, yr Image: Constraint of the second se	
C Description	Detecting the Notors (NS-232)	DoA 474 44 60 DA 52 45 54 Do5 22 45 45 DA Do5 57 41 48 45 D0 60 57 41 48 45 D0 4 DoA 5179;		

4.1.2 The window with the corresponding programming appears in the right-hand part

4.1.3 Then use the "Compile and Download Program (F5)" button to download the parameter set to the motor.

💵 Sn	nartMc	otor Int	erface - [N	1T_140 Uj	om_Dekade	_gr]								-			
File	Edit	View	Commu	nication	Compile	Tools	Wind	ow Help		-	1						
	6		3 %	te f		1	be	A	F	-		6	٠		6	X	₿?
Conf	igura	tion		×	Terminal						×	Seri	al Da	ata /	Analy	zer	
	1	Circle Ma	stara	11	Com5 F	hernet	USB]					Com	5 F	them	at 119	R L	

4.1.4 The "Select Motor" window opens, select the relevant motor and press "OK".

-485)	>06 8 ZS
	>3D S4 >06 Select Motor X
-232) to Motors	>3D 55 >06 Please select the port and then a motor from the lists, or enter the motor address.
-485) to Motors	>>5 4A O Potts: Motors: 1333/32768*r*100/104 >3D 3D VAll Ports ISI3/32768*r*100/104
-232) to Motors	>06 >61 3D Com5 Each Motor in port "Com5" >06 >06 >2 Ethermet >2 Motor1-Com5" >
-485)	>4E 44 - YUSB t) >06 4,0,0,20)
-232)	>06 < >0 0A < > (>)0 0A
to Motors	>0.6 Motor Address: 1 Blind Download
-485)	>74 29 >06 >3D 30
-232)	>06 >0A 4F 46 46 0A 52 45 54 >06



4.1.5. The following message appears



Press "Yes" to start the download to the motor

IMPORTANT: After the transfer, the motor must be de-energized once. Then apply voltage again and the new parameter set is ready for use.

4.2 Changing the parameter set / direction of rotation

If the motor rotates in the wrong direction, this can be done by changing the parameter set.

Proceed in the same way up to and including point "3.4".

Then use the "Upload program" button to load the current parameter set of the connected motor into the program.



Kubota bebender

ion 🗙	Terminal X	Serial Data Analyzer 🗙		
ind Motors	Com5 Ethernet US8	Com5 Ethemet US8	MT 140 Upm Dekade gr	
cted Configuration om5 (RS232-9600 bps) Motor1-Com5 (5.0.4.4	Com5,9600,RS232,Com5,9600,RS232,C	>0A 47 0A 6F 3D 62 0A 54 >06 >4D 52 28 30 2C 74 29 0A >06	1 DCHN(MB4,1,E,9600,1,0,D) 2 SADDR1 3 EIGN(2)	^
SB	Detecting the Motors (RS-232) Cannot establish a link to Motors	>45 4E 44 49 46 0A 61 61 >06 >3D 57 28 30 29 0A 62 62	5 EIGN(0) 6 EIGN(1) 7 r=-2406	
	Canceled by the user! Detecting the Motors (RS-232)	>06 >3D 54 45 4D 50 0A 63 63 >06 >3D 55 49 41 0A 64 64 3D	8 ZS 9 MV 10 ADT=200	- 1
	Cannot establish a link to Motors Detecting the Motors (RS-485) Cannot establish a link to Motors	>06 >55 4A 41 0A 49 46 20 7A >06 >3D 3D 31 0A 7A 3D 30 0A	12 b=0 13 c=10 14 n=5461333/32760*r*100/10400	_
	Detecting the Motors (RS-232) Cannot establish a link to Motore	>06 >61 3D 30 0A 5A 53 0A 45 >06 >4F 44 45 46 0A 4C 4F 4F	16 z=0 17 t=2000 18 S	_
	Detecting the Motors (RS-485) Canceled by the user!	>06 >50 0A 45 4E 44 0A 43 32 >06	20 ITR(0, t, 0, 0, 20) 21 EITR(0) 22 ITRE	
	Detecting the Notors (RS-232) Cannot establish a link to Motors Detecting the Motors (RS-485)	>30 0A 54 4D 52 28 30 2C >06 >74 29 0A 61 3D 30 0A 62	¢	
	Canceled by the user!	>3D 30 0A 6F 3D 30 0A 53		
	Detecting the Motors (RS-232)	>02 47 46 46 02 52 45 54 >06 >55 52 47 49 02		
,	< >	< → _ ✓ → _ Data Entry • Hes C Dec C Data		
-				
ading program from "Mo hed. No errors, No warni	tor1-Com5" ings.			

Here the minus must be removed or added in the line "r="

Example: r=-2406 or r=2406

This changes the direction of rotation.

After changing the line, the program is reloaded onto the motor (see point 4.1.3. and following). Disconnect the motor from the power supply after the update, then apply voltage again and the direction of rotation is changed.