CanCom

DJ803 **V 10.0** CE

83-80310

JÖRGENSEN ••

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(Customized overlay)

Specifikation	Specification		
Matningsspänning	Power supply	9-36	VDC
Drivspänning	Operating voltage	2 rechargable AA batteries	
Strömförbrukning	Power consumption	< 150	mA
CAN protokoll	CAN protocol	2.0B	150Kbit
CAN drivkrets	CAN driver	PCA82C251	Philips
CPU	CPU	MC9S08DZ60	Freescale
Kapsling	Housing	Black	Plastic
IP-klass	IP-class	IP41	IP65 (optional)
Vikt	Mass	0,3	Kg
Omgivningstemp.	Operating temp.	-20 - +50	Celcius
Lagringstemp.	Storage temp.	-20 - +50	Celcius
Lagringstemp. Batt	Storage temp. Batt	-20 - +35	Celcius *
Laddningstemp	Charging temp	0 - +45	Celcius *
Mått	Dimensions	188x73x42	mm
* Batteries are model GP270AAHC			
Radio	**Radio**		
Räckvidd	Range	100-300	meter
Radiotyp	Radio type	Hi power (FM transmitter)	
Uteffekt radio	Radio power output	25 *	mW
Effective Radiated Power (ERP)		max +10dBm	(10mW)
Frekvens	Frequency	433,92	MHz
Radiokod	Radio code	Programmable	
Gränssnitt	**Interface**		
1 x CAN-buss	1 x CAN-bus	2.0 B	CanCom
10 x knappar	10 x buttons	digital	Membrane type
1 x joystick**	1 x joystick	XY	
Antenn	Antenna	inbyggd	built-in
LED	LED	2	green+red
Stoppfunktion	Stop function		
** optional 2 x potentiometers			
EMC			
EN 301 489-3			
ETSI EN 300 220-3 (for ERP @ 10mW)			
EN 61000-4-6		0,15-80Mhz 3V/m 80%aM 300Hz	
EN 61000-4-3		80-1000Mhz 3V/m 80%aM 300Hz	
EN 61000-4-4		1KV Capacitive injection	
EN 61000-4-2		8KV air, 4KV contact	

issue 2

From version 008 the radio transmitter has a programmable timeout function!
The transmitter will go into power saving mode after set time if no activity occurs.
Read more about this below.

Starting the radio transmitter:

The radio transmitter has a boot block, to check that the joystick is not
actuated in any direction or any button is pressed. This is indicated by that
red and green LED is flashing. When starting the transmitter the joystick
has to be centred, ie it must have the centre value 127 with a tolerance of +/-
10 bits. If the radio transmitter do not start, you can try to manually centre
the joystick and try again.

From version 003: The radio transmitter does not start until button 1 and 2
is pressed simultaneously and then released.

Radio code, article no and S/N are placed under the batteries.

LED indications and warnings:

Red LED:
- 0,1s on, 1,9s off: Batteries need charging
- 0,1s on, 0,1s off: Battery level is critically low!
- Steady light: Charging. When battery is full charging terminates and the LED goes out

Green LED:
- 0,9s on, 0,1s off: CAN is active, radio off
- 0,1s on, 1,9s off:Radio is active, CAN off

Both red and green LED simultaneously:
- 0,5s on, 0,5s off:Analog input values out of limits
Steady light: The transmitter is waiting for the start commando (from version 003).

Button numbering in rubber keyboard.

Radio / CAN ID 20, I/O-ports:
1. Button 1
2. Button 2
3. Button 3
4. Button 4
5. Button 5
6. Button 6
7. Button 7
8. Button 8

Radio ID 21, I/O-ports:
1. Button 9
2. Button 10
3. Joystick X / Pot 1 value (0 if not used)
4. Joystick Y /Pot 2 value (0 if not used)
5. Free
6. Free
7. Battery voltage
8. Free
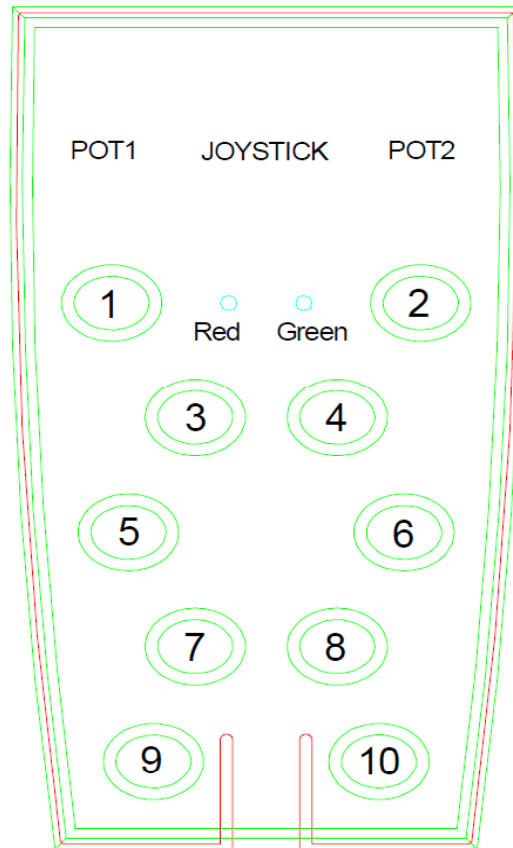
Programming - ID, Radio code, type of transmitter and timeout

The radio transmitter is programmed through CanPro v4.28 or later, to the flash memory. The procedure is as follows:

· Create an analogue module with for example ID 20 (or other)
· Set port 1 until port 4 as analogue out
· In the port comments the following should be written:

RADIO CODE
Is written on row 1 and 2. If for example code L178 is to be programmed, you write **012** (L = letter no 12) on the first row and **178** on the second row.
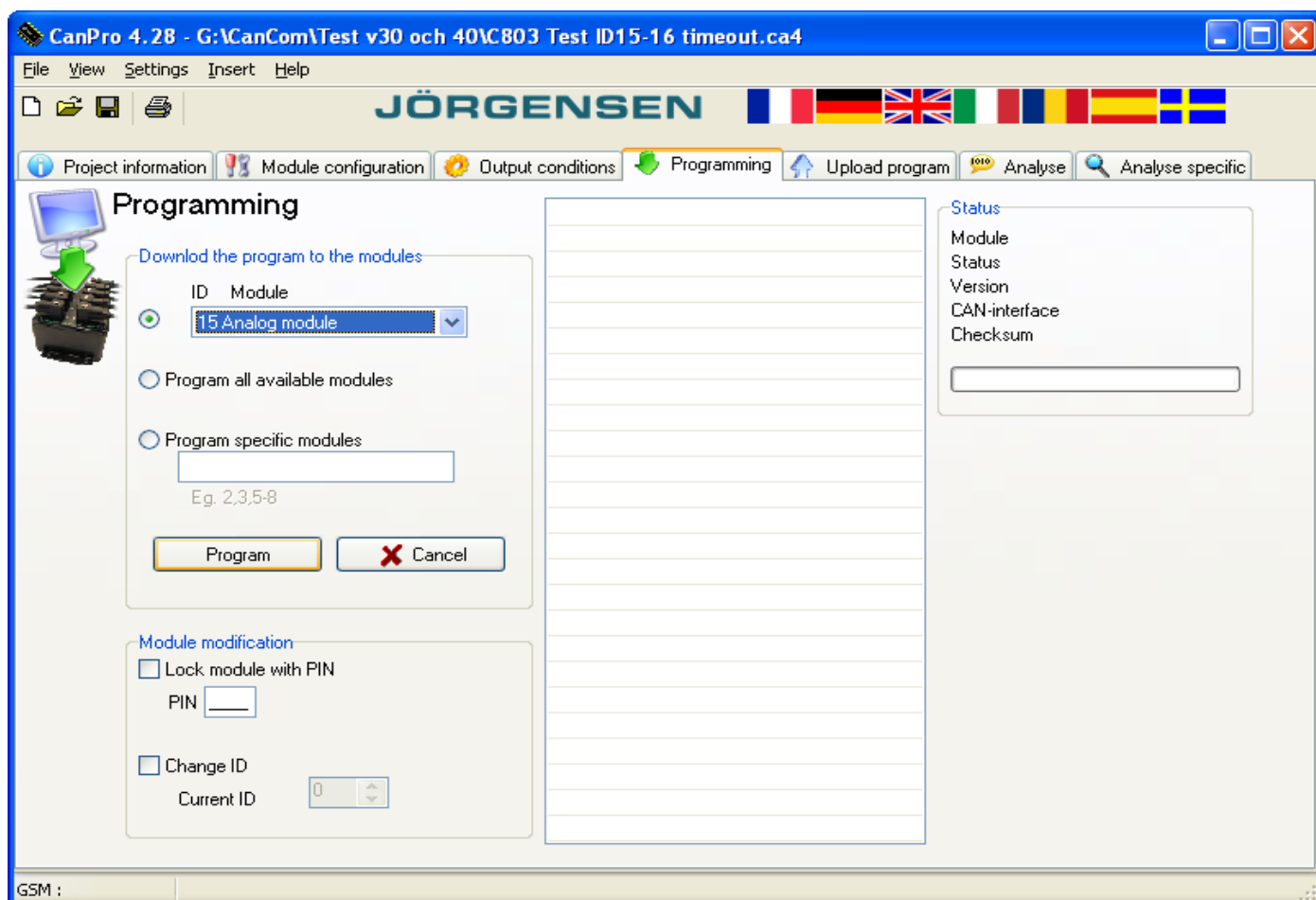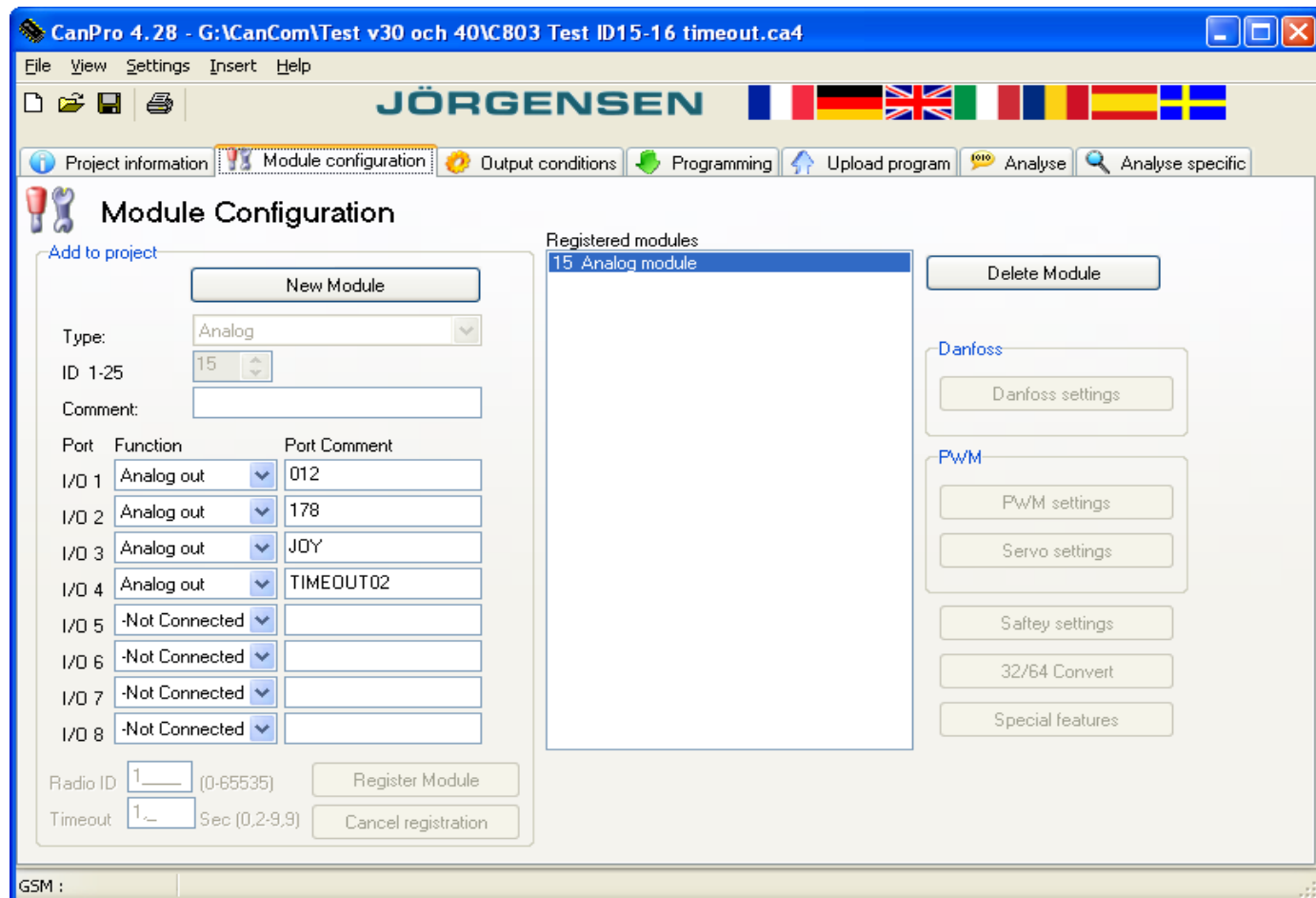
JOY, POT or NON
The third row is used for configuring the software for the right hardware; joystick, pots or neither joystick nor pots. If you have a joystick, you write **JOY** and if you have pots, you write **POT**. If you have neither you write **NON**. If nothing is written on row 3 in the module configuration in CanPro, it will be set to **NON** as default.
If you have a joystick you MUST write **JOY**, otherwise the software will not work.

TIMEOUT30 (NYTT from V9)
On row 4 a timeout value is written, e.g. TIMEOUT30. "TIMEOUT" tells the unit to use the timeout function and "30" is the number of minutes before the timeout. The value is adjustable between 00 - 99 minutes. If the value 00 is written, or if nothing at all is written on the fourth row, the timeout function is not used.
Timeout means that the unit is set to stop mode and the unit will stop transmitting radio or CAN. It is restarted again only by switching the power button off an on again. Timeout happens if no button, joystick or pot is used within the set time.

Register the module as explained above. Go to the tab "Programming". Choose the ID you set for the module and press "Program" to program the transmitter (see pictures below).

Module Configuration

CanPro 4.28 - G:\CanCom\Test v30 och 40\C803 Test ID15-16 timeout.ca4

File   View   Settings   Insert   Help

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Project information | Module configuration | Output conditions | Programming | Upload program | Analyse | Analyse specific

Module Configuration

Add to project

New Module

Type: Analog

ID 1-25: 15

Comment:

Port	Function	Port Comment
I/O 1	Analog out	012
I/O 2	Analog out	178
I/O 3	Analog out	JOY
I/O 4	Analog out	TIMEOUT02
I/O 5	-Not Connected	
I/O 6	-Not Connected	
I/O 7	-Not Connected	
I/O 8	-Not Connected	

Radio ID: 1___ (0-65535)
Timeout: 1._ Sec (0,2-9,9)

Register Module
Cancel registration

Registered modules

15 Analog module

Delete Module

Danfoss

Danfoss settings

PWM

PWM settings
Servo settings
Saftey settings
32/64 Convert
Special features

GSM :

Programming

CanPro 4.28 - G:\CanCom\Test v30 och 40\C803 Test ID15-16 timeout.ca4

File   View   Settings   Insert   Help

JÖRGENSEN

Project information | Module configuration | Output conditions | Programming | Upload program | Analyse | Analyse specific

Programming

Download the program to the modules

ID   Module
○ 15 Analog module

○ Program all available modules

○ Program specific modules

Eg. 2,3,5-8

Program | Cancel

Module modification

☐ Lock module with PIN

PIN ____

☐ Change ID

Current ID   0

Status

Module
Status
Version
CAN-interface
Checksum

GSM :

Accessories for the radio transmitter

As accessories for the radio transmitter there is a bracket and cabling.

Bracket

The bracket is made of plastic.
Art no: 83-80350

Cabling

Charging cable

2 meter charging cable with cigarette plug.
Art no: 83-23135

Data/charging cable

This cable is used to communicate through the CAN-bus.
Available in two different lengths:
12 meter - Art no: 83-23112
10 meter - Art no: 83-23111