

Data sheet

MMILDS

Programmable controller



MMILDS is MCX's family remote interface. It's fitted with a LED display for displaying data from a MCX or from 2 probes that can be locally connected. The connection with any MCX controller is through the CAN bus network. The power supply can come from controller which it is connected. All the information about the user interface is loaded inside the MCX controller; that's why there is no need of programming the MMILDS interface.

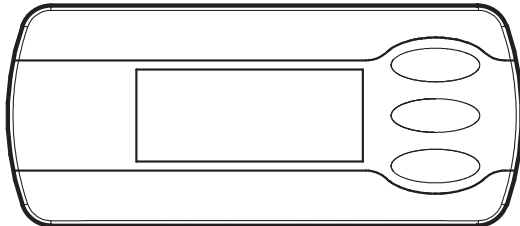
Features MMILDS

- LED display 3-½ digit
- Easy connection to MCX CANbus network through wired connector kit
- Connections for 2 external probes
- Powered by the MCX which it is connected to
- Dimensions 84x36 mm
- Panel mounting

General features

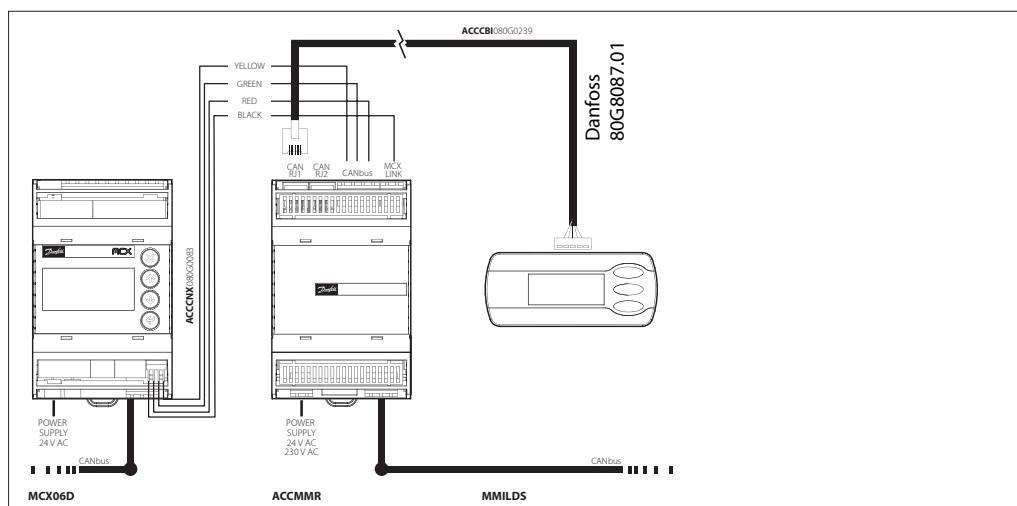
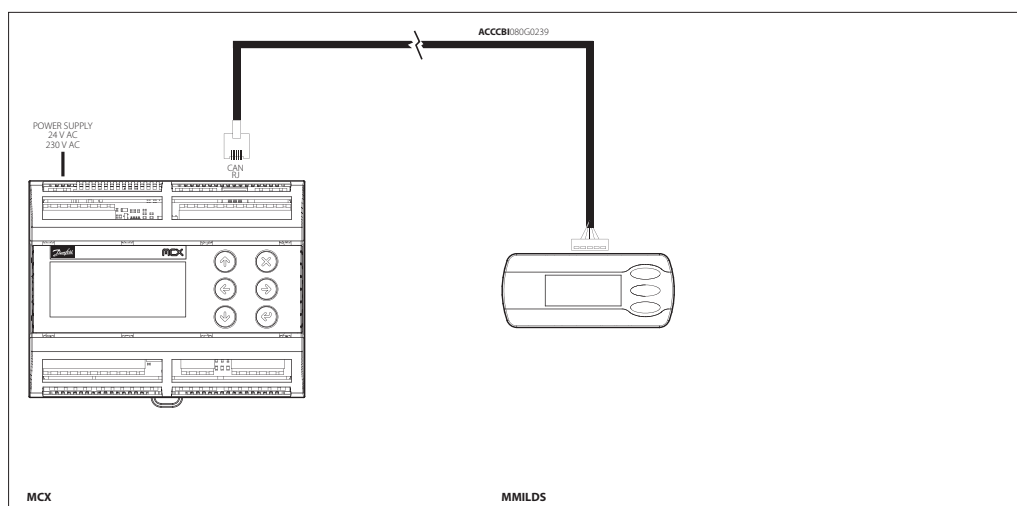
FEATURES	DESCRIPTION
Power supply	From the MCX through the RJ11 telephone connector
	12 V DC \pm 20% external power supply
	12 V AC \pm 15% external transformers
	Maximum power consumption: 1.5 W
Analog input	AI1: 0 / 20 mA, 4 / 20 mA, 0 / 5 V, 0 / 1 V
	AI2: NTC, default 10 K Ω a 25 °C
Operating conditions	CE: -20T60, 90% RH non-condensing
Storage conditions	-30T80, 90% RH non-condensing
Integration	In Class I and/or II appliances
Index of protection	IP65
Period of electric stress across insulating parts	Long
Resistance to heat and fire	Category D
Immunity against voltage surges	Category I
Software class and structure	Class A
Approvals	CE compliance: This product is designed to comply with the following EU standards: <ul style="list-style-type: none"> Low voltage guideline: 73/23/EEC Electromagnetic compatibility EMC: 89/336/EEC and with the following norms: <ul style="list-style-type: none"> EN61000-6-1, EN61000-6-3 (immunity for residential, commercial and light-industrial environments) EN61000-6-2, EN61000-6-4 (immunity and emission standard for industrial environments) EN60730 (Automatic electrical controls for household and similar use)

Configuration

FUNCTION	KEYS
Keys reference	 Danfoss 80G8100.01
Enter Program Mode	1+3 for 2s
Exit Program Mode	1+3
Scroll list of parameters	1 (scroll UP) and 3 (scroll DOWN)
Edit value	2
Esc and NOT Save	2
Esc and Save	2 pressed for 3 seconds

CODE	DESCRIPTION	VALUES	DEFAULT
NID	CAN node ID	1-127; 255=not configured	255
BAU	CAN baudrate (kBd)	0, 20, 50, 125, 250, 1000; 0=auto baud	50
CON	CAN address of the MCX connected	1-127; 255=auto detect	255
TYP	Type of AI1 analog input	2=0 / 5 V, 3=4 / 20 mA, 7=0 / 1 V, 9=0 / 20 mA	2
SEL	Analog input to be displayed	0=no, 1=AI1, 2=AI2	2

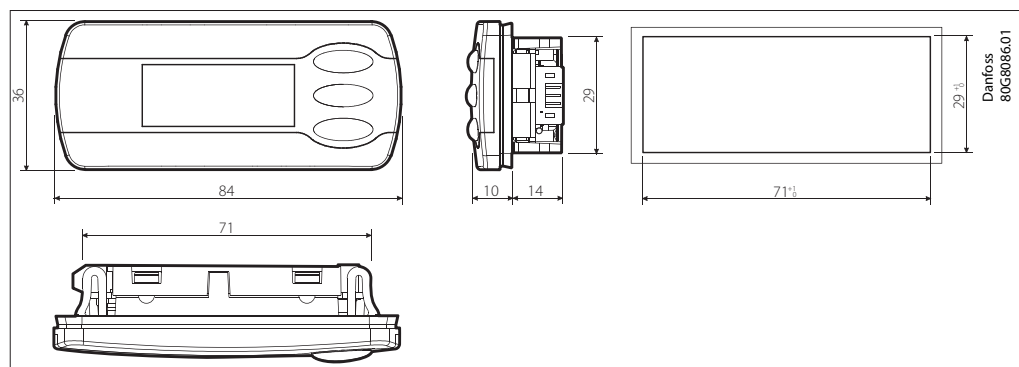
Connection diagram: MCX or MCX06 connection



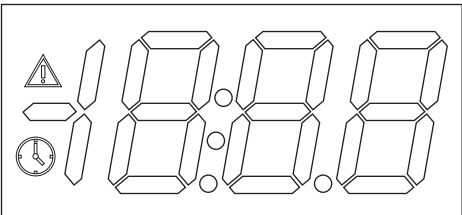
Connection

CONNECTORS	TYPE	DIMENSIONS
CAN connector	5 way JST PH type	<ul style="list-style-type: none"> pitch 2 mm
Probe connector	5 way screw plug-in connector	<ul style="list-style-type: none"> pitch 3.5 mm

Dimensions



User interface

TYPE	FEATURES	DESCRIPTION
LED display	Display	LED 3-½ digits + sign 
	Digits	Green colour
	Alarm/warning icons	Red colour
	Dimensions	45x17 mm
Keyboard	Number of keys	3
	Keys function	Set by the application software

Danfoss 80G8099.01

Product part numbers

DESCRIPTION	CODE NO.
MMILDS, 12V, LED, CAN, REMOTE DISPLAY, PANEL, S	080G0232
MMILDS, 12V, LED, CAN, REMOTE DISPLAY, PANEL, I	080G0233

Note: single pack codes (S) don't include standard kit connectors,
industrial pack codes (I) don't include standard kit connectors

Accessories part numbers

DESCRIPTION	CODE NO.
ACCCBI, MMILDS CABLE RJ12/JST PH, 2m CABLE	080G0239