

Instruction sheet

Electronic controller MMIGRS2





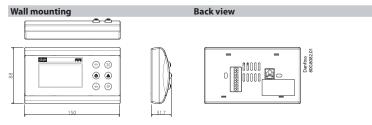
AN15528641841501-000401



www.danfoss.com/mcx

DIMENSIONS

Panel mounting Back view 00 0 • (4) 0 0 Drilling template



CONNECTION DIAGRAM

Remote MMIGRS connection MCX connection - CAN-RJ connection hould be done only on he first and second ent of the network

- * When MMI is not connected to MCX via telephone cable, the autodetection feature of the MCX CAN address will not work
- When will is not connected to MCX via delephone datile, the addocted to the MCX CAN additional Therefore check the following MMIGRS2 setting:

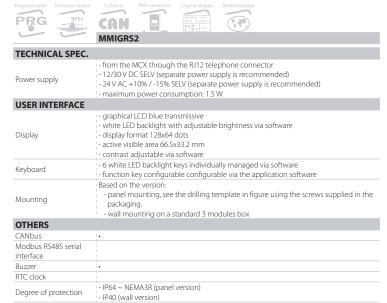
 1) enter BIOS menu pressing and holding X + Enter keys for 5 seconds.

 2) select "MCXselection"-> "Manual Mode" and set the CAN address of the MCX06 you wish to connect to.

GENERAL FEATURES

MMIGRS2 is MCX's family remote interface. It's fitted with a graphic display that allows a complete customization of the user interface. The connection with every unit of the MCX range is made through the CANbus network All the information about the user interface is loaded inside the MCX controller; that's why there is no need of programming the MMIGRS2 interface.

MMIGRS2 is powered externally or from the controller which it is connected to and automatically shows its user interface; but it can also show the interface of any other device connect to the same network



CONNECTIONS

- Power supply connector 24 V AC 2 way screw plug-in connector type pitch 3.5 mm: section cable 0.08-1.5 mm^2
- CAN connector 4 way screw plug-in connector type pitch 3.5 mm: section cable 0.08-1.5 mm: CAN-RJ 6/6 way telephone RJ12 plug type

PRODUCT PART NUMBER

CODE	DESCRIPTION
080G0294	MMIGRS2, REMOTE DISPLAY, PANEL, Single Pack
080G0295	MMIGRS2, REMOTE DISPLAY, WALL, Single Pack
080G0297	MMIGRS2, REMOTE DISPLAY, PANEL, Industrial Pack (27 pieces)

GENERAL FEATURES AND WARNINGS

PLASTIC HOUSING FEATURES

- Self extinguishing V0 according to IEC 60695-11-10 and glowing/hot wire test at 960 °C according to IEC 60695-2-12 Ball test: 125 °C according to IEC 60730-1. Leakage current: \geq 250 V according to IEC 60112

OTHER FEATURES

- Operating conditions CE: -20T60 / UL: -20T60, 90% RH non-condensing
- Storage conditions: -30T80, 90% RH non-condensing
- To be integrated in Class I and/or II appliances
 Index of protection: IP64 ~ NEMA3R only on the front cover (panel version); IP40 (wall version)
- Period of electric stress across insulating parts: long Suitable for use in environments with degree of pollution 2
- Category of resistance to heat and fire: D
- Immunity against voltage surges: category II
- Software class and structure: class A

CE MARK

This product is designed to comply with the following EU standards:

- Electromagnetic compatibility EMC directive 2014/30/EU:
 EN 61000-6-4: 2007 +A1: 2011 (Emissions standard for industrial environments)
 EN 61000-6-2: 2005 (Immunity for industrial environments)
- RoHS directive 2011/65/EU and 2015/863/EU:
- EN50581: 2012

UL APPROVAL

File UL: E31024

GENERAL WARNINGS

- Every use that is not described in this manual is considered incorrect and is not authorised by the manufacturer
- Verify that the installation and operating conditions of the device respect the ones specified in the manual, specially concerning the supply voltage and environmental conditions
- This device contains live electrical components therefore all the service and maintenance operations must b
- performed by qualified personnel The device can't be used as a safety device
- Liability for injury or damage caused by the incorrect use of the device lies solely with the user

INSTALLATION WARNINGS

- The installation must be executed according the local standards and legislations of the country
- Always operate on the electrical connections with the device disconnected from the main power supply Before carrying out any maintenance operations on the device, disconnect all the electrical connections
- Don't expose the device to continuous water sprays or to relative humidity greater than 90%. Avoid exposure to corrosive or pollutant gases, natural elements, environments where explosives or mixes of flammable gases are present, dust, strong vibrations or chock, large and rapid fluctuations in ambient temperature that in combination
- with high humidity can condensate, strong magnetic and/or radio interference (e.g. transmitting antennae)
 Use appropriate data communication cables.
 See the "hardware network specification" user manual for the kind of cable to be used and setup recommendations
- Reduce the path of the probe and digital inputs cables as much as possible, and avoid spiral paths enclosing power devices. Separate from inductive loads and power cables to avoid possible electromagnetic noises
- Avoid touching or nearly touching the electronic components fitted on the board to avoid electrostatic discharges

DISPLAY SETTINGS ADJUSTMENT

Setting of the LCD display like contrast and brightness might need to be adjusted due to external ambient factors. Press simultaneously and hold for 5 seconds the Enter and X key to access the BIOS menu and select the DISPLAY menu. Use UP and DOWN arrow keys to adjust the contrast or the brightness of the display at the desired level.



DISPOSAL INSTRUCTION
- Equipment containing electrical components may not be disposed together with domestic waste. It must be separately collected with electrical and electronic waste according to local and valid legislation.