



MMIMYK electronic controller

MMIMYK is the advanced "all in one" device that performs up to three different functions:

- Programming module
- Gateway
- Data logger.

It has a bright graphic display and a keyboard that enable to configure the module to run several functions. It has also a slot for MMC card (Multi Media Card) to extend the memory capacity

REFRIGERATION & AIR CONDITIONING DIVISION



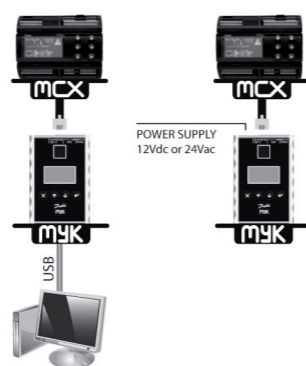
GENERAL FEATURES

MMIMYK	
TECHNICAL SPECIFICATIONS	
Power supply	- from the MCX through the RJ11 telephone connector - 12Vdc (from DC connector) - 24Vac (from screw plug-in connector type pitch 3.5mm): on this supply it is advisable to use a dedicated transformer 24Vac-10VA - from USB 2.0 (maximum 500mA)
Memory	- internal 2MB - MMC expansion slot (Multi Media Card) up to 2GB
USER INTERFACE	
Display	- graphic OLED - display format 128x64dots - active visible area 35x17.5mm
Keyboard	- 4 keys
Mounting	- DIN guide or portable
OTHERS	
CANbus	- isolated with respect to USB
Modbus RS485 serial interface	- isolated with respect to USB
Buzzer	•
RTC clock	•

NETWORK DIAGRAM

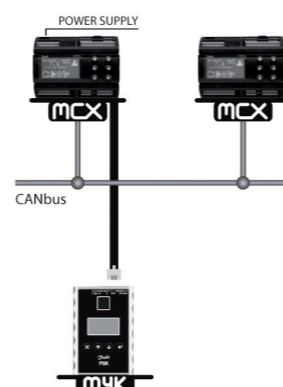
DIRECT CONNECTION TO MCX

MYK supplies power to MCX (programming function)



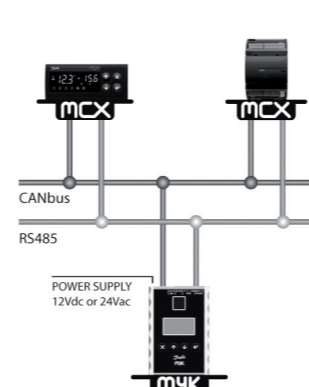
NETWORK CONNECTION

MYK powered by MCX

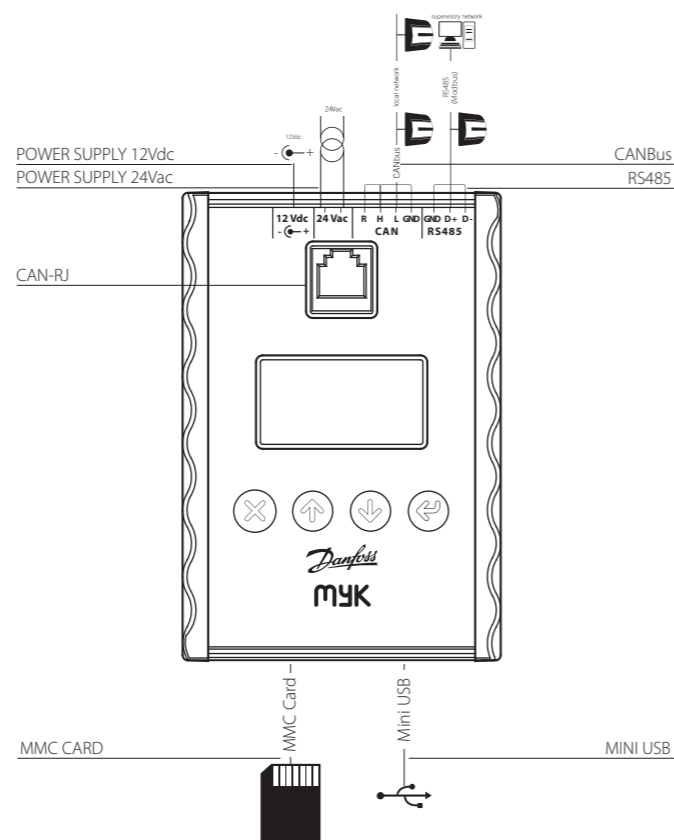


NETWORK CONNECTION

MYK externally powered

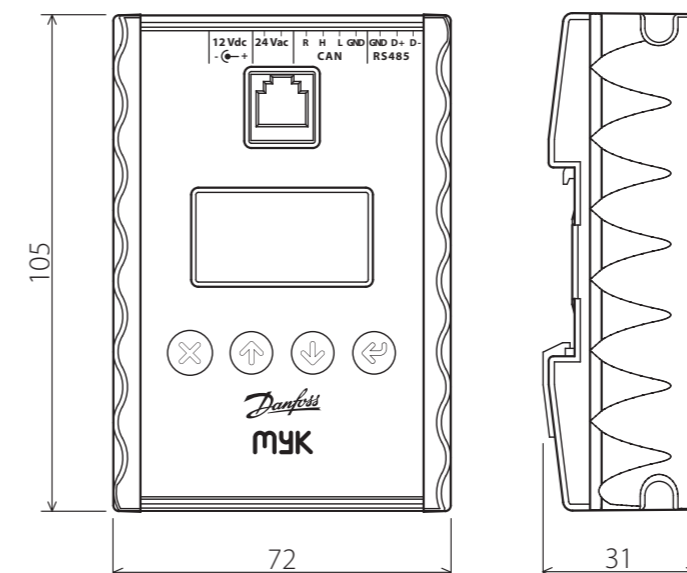


CONNECTION DIAGRAM



DIMENSIONS

OLED display



GENERAL FEATURES AND WARNINGS

HOUSING FEATURES

- DIN rail mounting complying with EN 60715
- Ball test: 125°C according to IEC 60730-1. Leakage current: ≥250 V according to IEC 60112

OTHER FEATURES

- Operating conditions CE: -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: IP20 only on the front cover
- Period of electric stress across insulating parts: long
- Suitable for using in a normal pollution environment
- Category of resistance to heat and fire: D
- Immunity against voltage surges: category I
- Software class and structure: class A

CE COMPLIANCE

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

- Low voltage guideline: 73/23/EEC
- Electromagnetic compatibility EMC: 89/336/EEC and with the following norms:
- 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)

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
- 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 to 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 cable ends suitable for the corresponding connectors. After tightening the screws of connectors, slightly tug the cables to check their tightness
- Use appropriate data communication cables. Refer to the Fieldbus Installation Guide 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



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PRODUCT PART NUMBERS

CODE	DESCRIPTION
080G0072	MMIMYK, PC/MCX INTERFACE AND MCX PROGRAMMING, S
080G0073	MMIMYK, PC/MCX INTERFACE AND MCX PROGRAMMING, DATA LOGGING, S