

Data Sheet

Programming key
Type **MMIMYK**

Electronic controller suitable for all HVAC/R software application needs.



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

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 SD/MMC card (Multi Media Card) to extend the memory capacity.

Features:

- Full graphic OLED display, 128 x 64 dots resolution
- Easy connection to MCX CANbus network through telephone plug
- SD/MMC card slot for easy software upload and datalogging
- Modbus RS485 serial interface
- Powered by the MCX which it is connected to or the other way round
- Can execute an application like any MCX device
- Dimensions 105 x 72 mm
- Mounting DIN rail or portable

Product specification

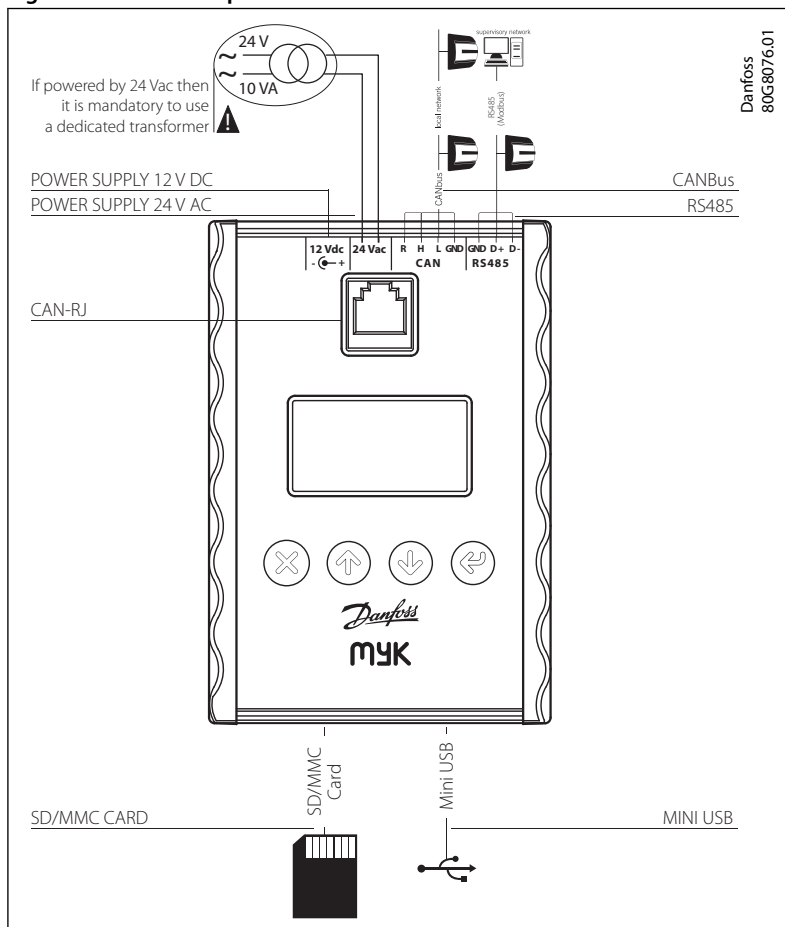
General features

Table 1: General features

Features	Description
Power supply	From the MCX through the RJ12 telephone connector 12 V DC (from DC connector) 24 V AC SELV (from screw plug-in connector type pitch 3.5 mm): on this supply it is advisable to use a dedicated transformer 24 V AC - 10 V A. It is mandatory if MMIMYK is connected to devices without insulation between power supply and extra-low voltage such as EXD316 From USB 2.0 (maximum 500 mA)
Plastic housing	DIN rail mounting complying with EN 60715
Ball test	125 °C according to IEC 60730-1 Leakage current: ≥250 V according to IEC 60112
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	IP20 only on the front cover
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

Connection diagram

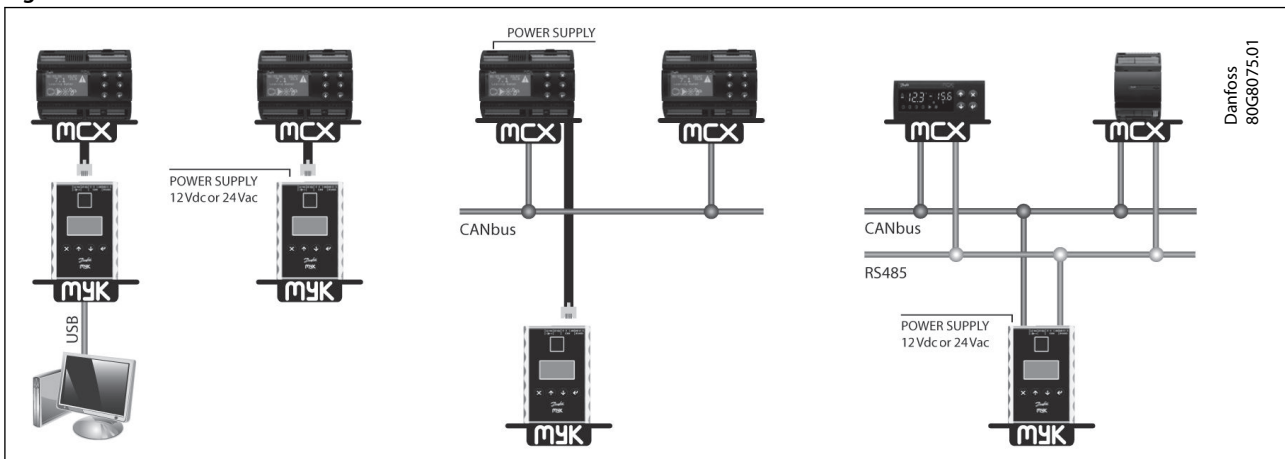
Figure 1: Connection ports of MYK



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Figure 2: Connection MYK - MCX



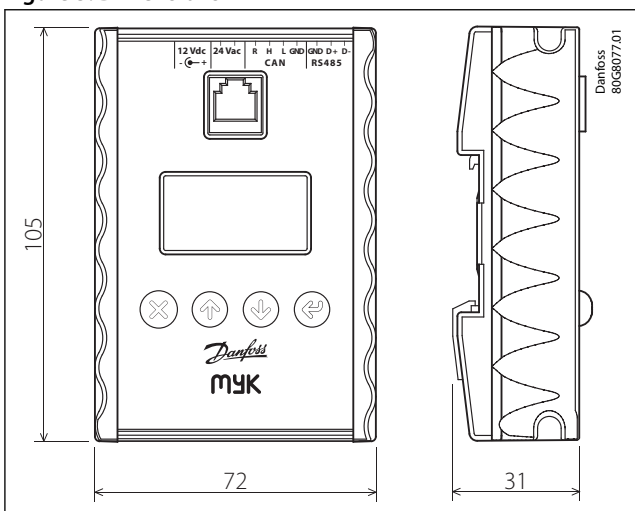
Connection

Table 2: Connection

Connectors	Type	Dimensions
CAN-RJ connector	6/6 way telephone RJ12 plug type	• pitch 2 mm
Power supply connector	DC Jack type	• Ø 3.5 x 1.3 mm
Power supply 24 V AC connector	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 ²
RS485 connector	3 way screw plug-in connector type	• pitch 3.5 mm • section cable 0.08 – 1.5 mm ²
USB connector	Mini type B	
SD/MMC connector	For memory card SD/MMC type	• up to 2 GB

Dimensions

Figure 3: Dimensions



User interface

Table 3: User interface

Type	Features	Description
OLED display	Display	Graphic OLED
	Format	128 x 64 dots
	Active visible area	35 x 17.5 mm

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Type	Features	Description
Keyboard	Number of keys	4
	Keys function	Set by the application software
Memory	Internal	2 MB
	SD/MMC	Expansion slot (SD/Multi Media Card) up to 2 GB

Ordering

Product part numbers

Table 4: Product part numbers

Description	Code No.
MMIMYK, PC/MCX Interface and MCX Programming, Data Logging, S	080G0073

Certificates, declarations, and approvals

The list contains all certificates, declarations, and approvals for this product type. Individual code number may have some or all of these approvals, and certain local approvals may not appear on the list.

Some approvals may change over time. You can check the most current status at danfoss.com or contact your local Danfoss representative if you have any questions.

Table 5: Certificates, declarations, and approvals

File name	Document type	Document topic	Approval authority
080R1227.02	EU Declaration of conformity	EMC directive 2014/30/EU: EN61000-6-4: 2007 +A1: 2011 EN61000-6-2: 2005 RoHS directive 2011/65/EU and 2015/863/EU: EN 50581: 2012	Danfoss

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