

# EIBACMi105



Mitsubishi air condition control  
With A-control (CN105) bus  
system KNX/ EIB

Signalization for communication

Power supply from KNX/ EIB bus

DIN rail mount (1 module)

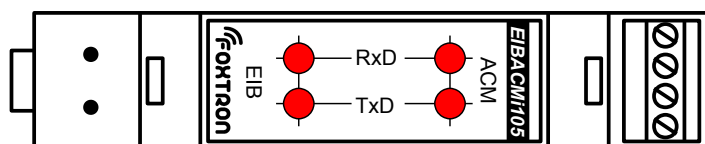
Adjustable addresses on KNX/EIB

## Technical specification

Number of controlled air conditions	1	
consumption	10	mA
Wires cross section (air condition)	0,08 ÷ 1,5	mm <sup>2</sup>
Wires cross section (KNX/EIB)	0,5	mm <sup>2</sup>
Ingress protection degree	IP20	
Ambient work temperature	0 ÷ 50	°C
Storage temperature	-10 ÷ 70	°C
weight	40	g

## Signalization

ACM RxD	Receiving a message from AC
ACM TxD	Sending message to AC
EIB RxD	Receiving message on KNX/EIB
EIB TxD	Sending message on KNX/EIB



**List of AC parameters controlled from EIBACMi105 (v.3)**

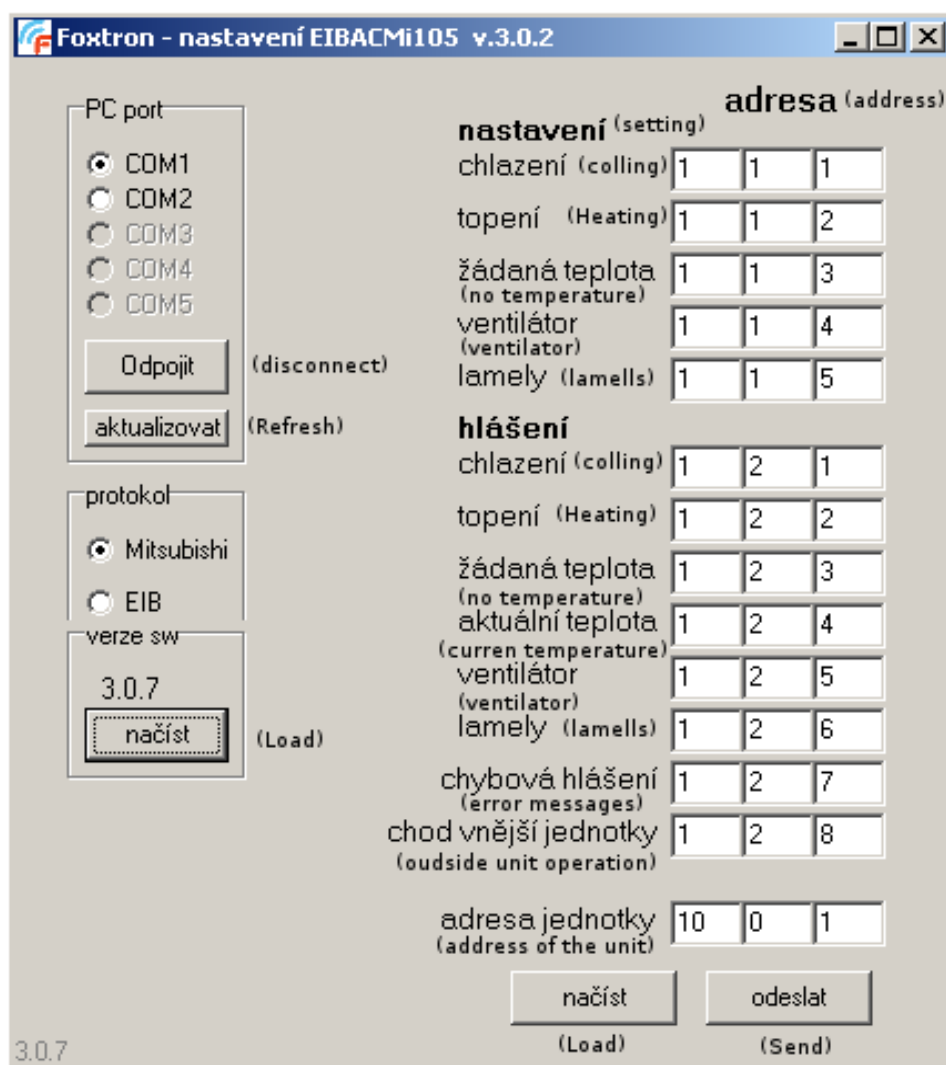
<i>parameter</i>	<i>Type of variable</i>	<i>adresa (KNX/EIB)</i>	<i>description</i>
<i>setting</i>			
cooling	EIS1		0 – OFF, 1 – cool
heating	EIS1		0 – OFF, 1 – heat
No temperature	EIS5		No temperature in °C
ventilator	EIS6		0 – automat, 2,3,5 – spinning speed
lamella	EIS6		0 – automat, 1,2,3,4,5 – direction, 7 – spinning
<i>hlášení</i>			
cooling	EIS1		0 – OFF, 1 – cooling
heating	EIS1		0 – OFF, 1 – heating
No temperature	EIS5		No temperature in °C
Actual temp.	EIS5		Actual temperature in °C
ventilator	EIS6		0 – automat, 2,3,5 – spinning speed (2 – slower, 5-fastest)
lamella	EIS6		0 – automat, 1,2,3,4,5 – direction, 7 – spinning
errors	EIS11		1. byte: 0 – ok, 1 – error communication with AC
			2.-4. byte: AC error code (0x00, 0x80, 0x00 – no error)
OU mode	EIS1		0 – off, 1 – on
Unit address			Fyzical address of EIBACMi105 on EIB/KNX

## Setting of addresses

Addresses are being upload in to EIBACMi105 with serial cable EIBACMiRS (it is not part of the interface package). Cable is connected into the serial port of the computer and to ACM connector of EIBACMi105 unit. Serial port must support RTS and CTS signals.

*Steps to set the addresses:*

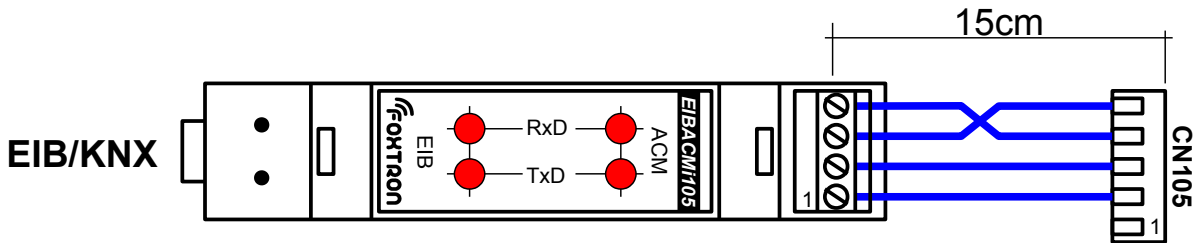
- Connect with EIBACMiRS cable computer nad EIBACMi105 unit.
- Open program EIBACMi.exe (no need to install)
- In setting section “protokol” leave choice “Mitsubishi”, in section “PC port” choose COM port, to which is unit EIBACMi105 connected and press the button “připojit” („connect“), (button will change to “Odpojit” - „Disconnect“). Program will automatically load software version in connected interface. (If the version of software did not read try to do it manually by pressing the button „načíst“ („load“) in section „verze sw“ („version of sw“))
- In the table fill required addresses for each function and press button „odeslat“ („send“). Confirmation will be done by EIBACMi105 unit. It blinks with all LED.
- With button “načíst” („load“) are uploaded the addresses set in the EIBACMi105 at given moment. Unit will again confirm it by blink.



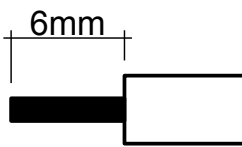
	adresa (address)		
<b>nastavení (setting)</b>			
chlazení (colling)	1	1	1
topení (Heating)	1	1	2
žádaná teplota (no temperature)	1	1	3
ventilátor (ventilator)	1	1	4
lamely (lamells)	1	1	5
<b>hlášení</b>			
chlazení (colling)	1	2	1
topení (Heating)	1	2	2
žádaná teplota (no temperature)	1	2	3
aktuální teplota (curren temperature)	1	2	4
ventilátor (ventilator)	1	2	5
lamely (lamells)	1	2	6
chybová hlášení (error messages)	1	2	7
chod vnější jednotky (oudside unit operation)	1	2	8
adresa jednotky (address of the unit)	10	0	1

Address on the KNX/EIB bus is composed from three numbers.  
 Numbers of address setting and report are in the range of: <0-15>, <0-7>, <0-255>  
 Address numbers of the unit are in the range of: <0-15>, <0-15>, <0-255>

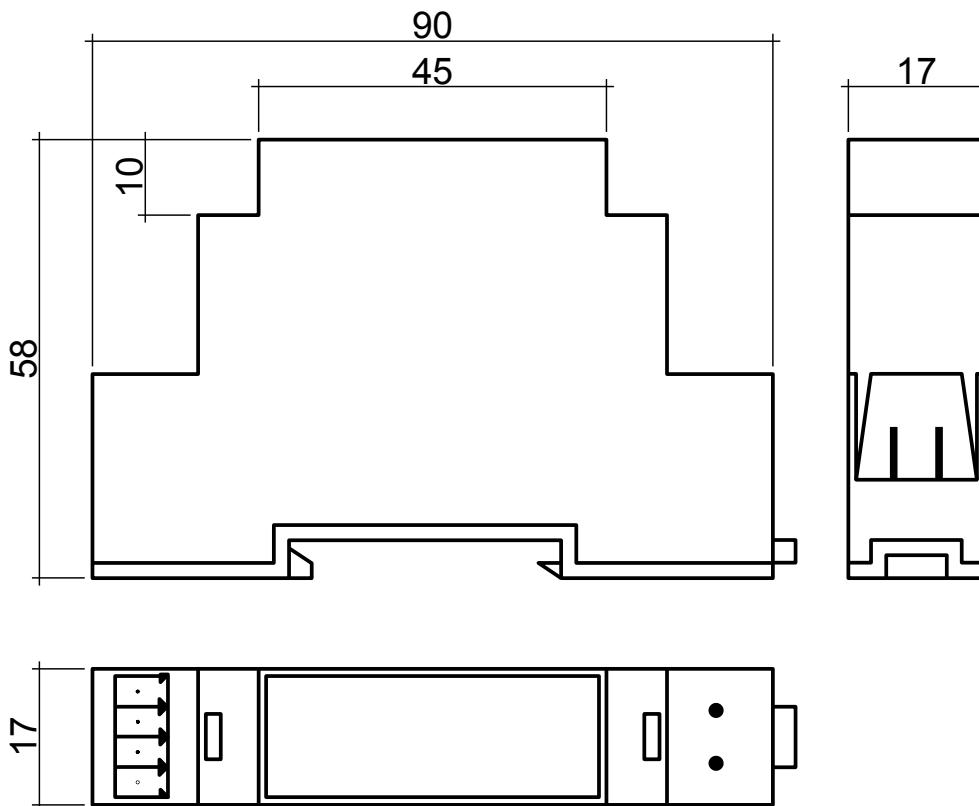
### Terminals connection



Cable with connector CN105 is part of the package



### Dimensions (in mm)





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