

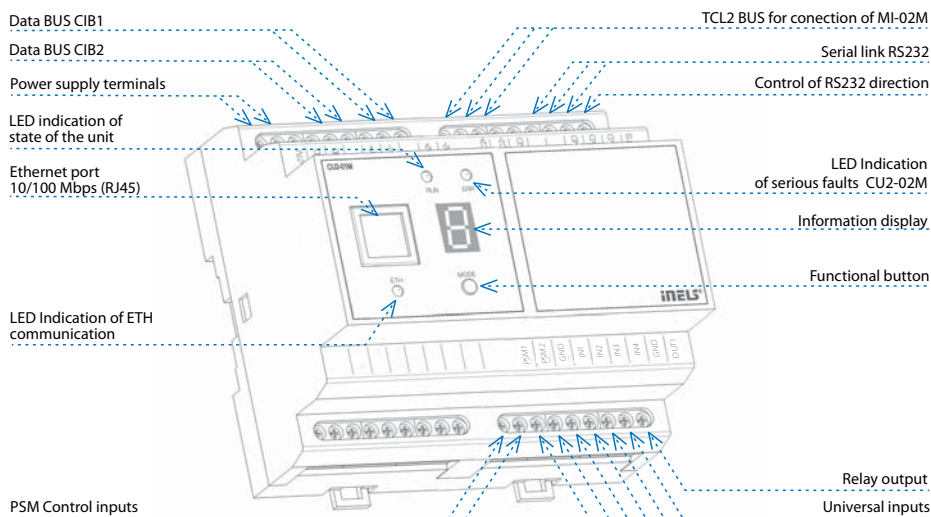
Central unit CU2-01M



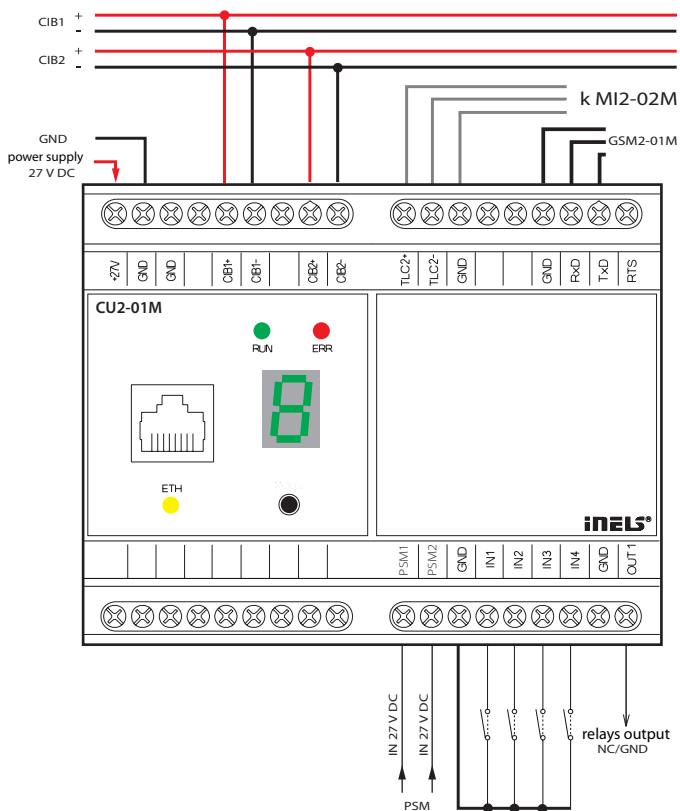
INELS PRODUCTS

- **Central unit is the heart of the whole INELS system.**
- This unit is „mediator“ between user software interface and other sensors and actuators connected to BUS of the INELS system.
- Configuration of the unit and the whole system is carried out by ETHERNET interface, by configuration software INELS Designer and Manager (hereunder IDM), which is designed for MS Windows.
- RJ45 Ethernet port is located in front panel of the unit, communication speed is 10 or 100 Mbps.
- It is possible to connect up to two CIB buses to CU2-01M. It is possible to connect up to 32 units of any type to each BUS. It is possible to connect another units to the system by external modules MI2-02M, which are connected to CU2-01M by BUS TCL2.
- Maximum length of communication BUS TCL2 is 300 m (metallic cable – twisted pair), with the same rules as for BUS RS485(in-line topology).
- CU2-01M can be controlled and configured by Internet (in case the unit is connected to internet by LAN). It is possible to use also 4 universal inputs (potential free) for connection of external devices like buttons, fire alarm detectors, PIR motion detectors, magnetic detectors and other...
- By in-built webserver CU2-01M it is possible to use remote control for the whole system functions by Internet browser. It is possible to control the system by PC or PDA or another device.
- By using Event manager in INELS system, there is a wide possibility of function programming. It is possible to set any commands to each action.
- CU2-01M can be used to remotely upgrade firmware of the central unit and all the units connected to BUS and thus extend functions.
- PSM Control - control of the power supply, main - 230 V AC and 24 V DC (backup accumulators).
- In any case when the CU2-01M is de-energized, all the actual information and system time is stored for min. 72 hours.
- CU2-01M has its own display, which indicates actual state of the central unit and it is possible to show the IP address of the unit.
- It is also possible to synchronize internal time and date by NTP server by Internet.
- Delivered software:
 - Creation of visualisation: IDM.
 - Programming, configuration, controlling, supervision: IDM.
 - It is also possible to use SCADA software Reliance and OPC server.
- CU2-01M in 6-module design is designed for mounting into a switchboard on DIN rail EN60715.
- Functional button - MODE, when it is pressed and held the central unit displays communication settings - IP address, network mask, and gateway.
- In-built display informs about the unit's state: G (RUN),

Device description



Connection



Technical parameters:

Inputs	
Input:	4x NO or NC between GND (-) 2x PSM (power voltage monitoring)
Outputs	
Output:	relay output - NC/GND
Number of connected units (directly to CU2-01M):	max. 64 (2x32)
Number of connected units on external modules:	max. 128 (2x MI2-02M x 2 x 32)
Communication	
Type of BUS:	2 x BUS CIB
Extension BUS:	TCL2 (max. 300m)
Indication of unit state:	green LED - flashing
Indication of ETH communication:	green LED
Indication of serious fault of CU2-01M:	red LED
Length of BUS CIB wire:	2x550 m
Communication interface:	RS 232, ethernet port 10/100 Mbps (RJ45)
Internal memory:	4 MB Flash
Default IP address:	192.168.1.1
Power supply	
Supply voltage/rated current:	27 V DC/250 mA
Indication of power supply:	green LED
Connection:	
Connection:	by terminals
Max. wire size:	max. 2,5 mm ² /1,5 mm ² with a sleeve
Operating environment	
Operating temperature:	-20 .. +55 °C
Storage temperature:	-30 .. +70 °C
Electrical strength:	according to EN 60950
Protection degree:	IP20 device, IP40 in a switchboard/covered
Overvoltage category:	III.
Pollution degree:	2
Operating position:	any
Installation:	in a switchboard on DIN rail EN 60715
Design:	6-MODULE
Size and weight	
Size:	90 x 105 x 65 mm
Weight:	250 g

Connection

