

Product and Applications Description

The timer module N 302 is a N-system DIN-rail mounted device. It allows time-dependent control of information from group telegrams received. The timer module N 302 provides four time channels that can process group telegrams picked up, invert them and/or send them with a delay.

With the ETS (*EIB Tool Software*) the application program is selected, its parameters and addresses are assigned appropriately, and downloaded to the timer module N 302.

Application Programs

See Siemens product database from version E onward

Technical Specifications

Power supply

via bus cable

Control elements

1 learning button:
for switching between normal operating mode and addressing mode

Display elements

1 red LED:
for monitoring bus voltage and displaying mode, selected with the learning button

Connections

bus line, pressure contacts on data rail

Physical specifications

- housing: plastic
- N-system DIN-rail mounted device, width: 1 SU (1 SU = 18 mm)
- weight: approx. 100 g
- fire load: approx. 1150 kJ ± 10 %
- installation: rapid mounting on DIN EN 50022-35 x 7,5 rail

Electrical safety

- fouling class (according to IEC 664-1): 2
- protection (according to EN 60529): IP 20
- protection class III (according to IEC 1140)
- overvoltage class (according to IEC 664-1): III
- bus: safety extra low voltage SELV DC 24 V
- device complies with EN 50 090-2-2 and IEC 664-1: 1992

Reliability

rate of failure: 424 fit at 40 °C

Electromagnetic compatibility

complies with EN 50081-1, EN 50082-2 and EN 50090-2-2

Environmental specifications

- climatic conditions: EN 50090-2-2
- ambient temperature operating: - 5 ... + 45 °C
- ambient temperature non-op.: - 25 ... + 70 °C
- relative humidity (non-condensing): 5 % to 93 %

Certification

EIB certificate

CE norm

complies with the EMC regulations (residential and functional buildings), and low voltage regulations

Location and Function of the Display and Operator Elements

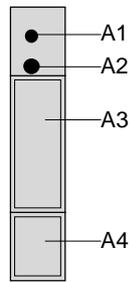


Figure 1: Location of the display and operator elements

- A1 LED for indicating normal operating mode (LED off) and addressing mode (LED on); on receiving the physical address the device automatically returns to normal operating mode
- A2 Learning button for switching between normal operating mode and addressing mode for receiving the physical address
- A3 Type plate
- A4 Label for noting the physical address

Installation Instructions

- The device may be used for permanent interior installations in dry locations within distribution boards.

WARNING

- The device may be built into distribution boards (230/400V) together with appropriate VDE-devices only and must be mounted and commissioned by an authorised electrician.
- Free DIN rail areas must be covered with covers, order no. 5WG1 192-8AA01.
- The prevailing safety rules must be heeded.
- The device must not be opened. A device suspected faulty should be returned to the local Siemens office.

Mounting and Wiring

General description

The N-system DIN-rail device (1 SU) can be installed to N-system distribution boards, surface or flush mounted, or to any DIN-rail EN 500022-35 x 7,5 available that has a data rail installed.

The connection to the bus line is established by clicking the device onto the DIN-rail (with a data rail installed). Take care that the type plates of all devices on a DIN-rail can be read in the same direction, guaranteeing the devices are polarised correctly.

Mounting DIN-rail devices (Figure 2)

- Slide the device (B1) onto the DIN-rail (B2) and
- swivel back the device until the slide clicks into place audibly.

Dismounting DIN-rail devices (Figure 2)

- Press down the slide (C3) with a screw-driver and
- swivel the device (C1) from the DIN-rail (C2).

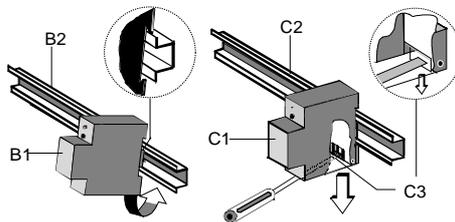


Figure 2: Mounting and dismounting a DIN-rail device