Event Module N 341 **5WG1 341-1AB01**

Product and Functional Description

The event module N 341 is a N-system DIN-rail mounted device allowing the definition and processing of event commands and time commands.

Up to 200 event commands can be altogether united to 200 event programs, i.e. if a certain event happens several actions can be performed one after the other. The event programs can be sparked off by certain bus telegrams as well as by explicit commands from tools or further event programs. Up to 100 different causing events can be set.

To spark off actions at determined times of day 400 time commands are available, which can be united to max. 125 day telegrams. The single day telegrams themselves can be daily, monthly or yearly executed on a determined day by entry in 150 different calendar programs.

Calendar programs can be processed exclusively or together with other calendar programs. Furthermore it is possible to set 3 periods lasting max. 40 days, which are executed from a certain day onward.

The N 341 manages up to 255 objects of communication. 60 texts no longer than 14 characters can be used.

For the time programs an internal module clock is used which has to be synchronised regularly by a master-clock.

Application Programs

01 07 Event Module 800A01
(for ETS2 Version 1.1 onwards)
01 07 Event Module 800A06
(for ETS3 Version 3.0c onwards)

- 125 programs of the day can manage up to 400 time commands
- The programs of the day can be assigned to 150 calendar entries (date or range of dates)
- Cyclic operations can be based on three different periods (refresh after 2...40 days)
- 200 event programs can manage up to 200 event commands
- Programs of the day or event programs allow to release up to 60 strings each consisting of 14 characters and send them on the bus

Examples of Application

The event programs are changed in the same way as the scenes by setting the desired values of the appropriate actors and by saving them in the N 341 or by configuration with suitable tools.
Both event- and time commands can execute actions like delivering normal bus telegrams or changing parameter values in its own respectively in another bus coupling device (e.g. an event program can be started in another event module).

Installation Instructions

- The device may be used for permanent interior installations in dry locations within distribution boards or small casings with DIN rail EN 60715-TH35-7,5.

⚠ WARNING

- The device 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.
- For planning and construction of electric installations, the relevant guidelines, regulations and standards of the respective country are to be considered.

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Technical Specifications

Power supply
via bus cable

Performance in case of bus voltage failure
processing the time commands can be controlled by parameters

Performance in case of bus voltage recovery
The N 341 is ready for operation after an initialisation break of several seconds.
During recovery the device picks up the daytime from a master clock. As long as this time is not available the time actions are locked.

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
- dimensions: N-system DIN-rail mounted device, width: 1 SU (1 SU = 18 mm)
- weight: approx. 100 g
- fire load: approx. 1100 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 (according to IEC 1140): III
- overvoltage class (according to IEC 664-1): III
- bus: safety extra low voltage SELV DC 24 V
- device complies with EN 50 090 and IEC 664-1: 1992

Reliability
rate of failure: 480 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 %

Markings
KNX / EIB

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

Location and Function of the Display and Operator Elements

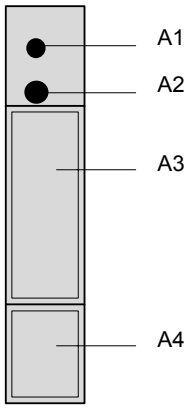

Figure 1: Location of the display and operator elements

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

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Mounting and Wiring

General description
The N-system DIN-rail device (1 SU) can be installed to N-system distribution boards or to any DIN-rail EN 50022-35 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).

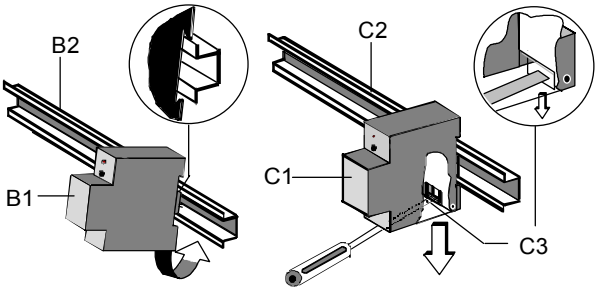
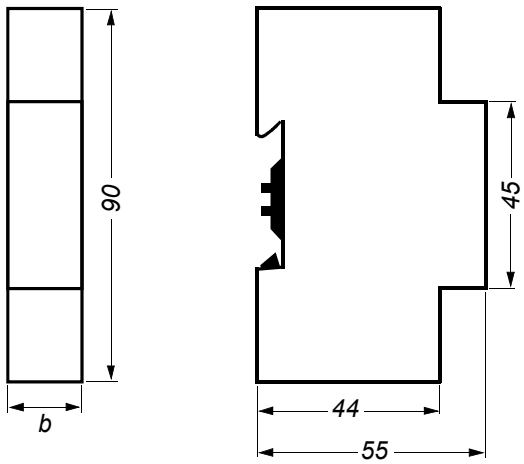


Figure 2: Mounting and dismounting a DIN-rail device

Dimension Diagram

Dimensions in mm



b = 1 SU

1 Spacer unit (1 SU) = 18 mm

General Notes

- Any faulty device should be returned to the local Siemens office.
- If you have further questions about the product, please contact our Technical Support:
  ☎ +49 (0) 180 50 50-222
  🖷 +49 (0) 180 50 50-223
  ✉ adsupport@siemens.com
  www.siemens.com/automation/support-request

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Notes

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