Programming manual

1 ⇒ Monday
2 ⇒ Tuesday
3 ⇒ Wednesday
4 ⇒ Thursday
5 ⇒ Friday
6 ⇒ Saturday
7 ⇒ Sunday
‾|_ ⇒ Channel ON
_|‾ ⇒ Channel OFF
‾|_|‾ ⇒ IMPULSE
    01 - 59 sec.
In mode AUTO manual switching possible by pressing key A.

Key functions

Menu ➤ Selection of programming modes
AUTO → PR → ? → ◯ → S/W → AUTO ...

[CL] Cancelling of inputs in modes PR; ? and ◯.

[◆] In PR; ?; ◯ and S/W modes:
Change flashing digit resp. position.
In Mode ?:
Change selected inputs.

[O.K.] Confirm the selected mode.
In PR and ◯ modes:
Head for required position. (forwards)
In ? mode:
Head for next switching time.
In S/W mode:
Enter into memory.

[◀] In PR and ◯ modes:
Return to required position. (backwards)
In PR mode:
Head for holiday programme when **1** (Monday) is flashing.
In ? mode:
Return to switching time before.

[A] In AUTO mode:
Press for manual override ON or OFF.
Holding down key A for 3 seconds, will switch ON or OFF PERM override.
perm will be displayed.
Programmed function in relevant channel will be suppressed.
Cancel permanent ON or OFF by holding down key A for a further 3 seconds, **perm** will disappear.

Programming advice

The default setting on delivery is programmed real time and date, the summertime change is activated.
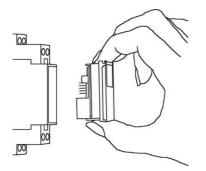
Programming possible also with time switch disconnected: Press O.K., display appears, start programming.
Make inputs step by step. The appropriate position in the display is flashing and can be changed by pressing ◆ key. Head for next position by using O.K. key, go backwards by using ◀ key. Inputs are terminated when flashing finishes.

To program the time switch simply remove the logic unit from the base module.

Installation details

Caution: The installation and assembly of electrical equipment must be only carried out only by a skilled person.
Connect to voltage and frequency according to type label only.

⚠️ **When connecting an alternating current (AC) the L- wire must be connected to the L terminal and the N wire to the N terminal. Never connect the L wire to the N terminal.**

Warranty void if housing opened by unauthorised person.
The high density electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits..

Operating modes

AUTO Display of time, day of week, switch status of channel(s).
Manual overriding possible (KEY A)

PR Input of switching commands according to week day(s) and time, also the holiday programme
Use arrow ◀ and **O.K.** keys to alter flashing digit.
Use diamond ◆ key to increase value.
(Confirm last input with **O.K.** key, will enter into memory)
If Monday 1 is flashing, use the ◀ key to select the holiday programming.

? **Displays number of free memory locations**
Show switching times
Alter switching time
Clear single or all switching times
Use **O.K.** key forwards or ◀ key backwards to display switching times.
Use diamond ◆ key to change (alter) displayed switching time.
Use **CL** key to cancel the displayed switching time.
Use **CL** key twice to cancel all switching times if number of free memory locations available displayed only.

◯ **Input of actual date and time**
Use arrow ◀ and **O.K.** keys to alter flashing digit.
Use diamond ◆ key to increase value.
(Confirm last input with **O.K.** key, will enter into memory and change into AUTO mode)

S/W **To activate / deactivate the summer/winter time change over.**
Use diamond ◆ key to select automatic S/W – time change ON or OFF.
(Confirm last input with **O.K.** key, will enter into memory and change into AUTO mode)

Reset

Press and hold down all three keys ◀; **O.K.** and **CL** , will clear date, real time and microprocessor

Switching programmes normally will not be affected.
(Check by Read – Out; "?"mode)

The ◯ mode is selected because date and real time must be programme new.

Wiring diagram

Switching programme

Programming day or week programme

| | | | | | | | | ‾|_ ⇒ channel ON _|‾ ⇒ channel OFF ‾|_|‾ ⇒ IMPULSE | |
TIME	Mo	Tu	We	Th	Fr	Sa	Su	channel	REMARK

Holiday programme (Permanently ON / OFF)

| | | | | ‾|_ ⇒ channel ON _|‾ ⇒ channel OFF | |
START		END		channel	REMARK

SC08/N/E/0702

◌ mode
Current date and real time input or change

Example: Date 01.02.2000; time 14:00
after Reset

AUTO P ? ◌ S/W
`0`
`DATE`

O.K. 3x
◆ 1x

AUTO P ? ◌ S/W
`0102`
`DATE`

O.K. 2x

AUTO P ? ◌ S/W
`0102`
`2000`

O.K. 1x
◆ 1x

AUTO P ? ◌ S/W
`1:`
`2`
`TIME`

O.K. 1x
◆ 4x

AUTO P ? ◌ S/W
`14:`
`2`

O.K. 3x
`TIME`

PR mode
Programming daily or weekly programme

Several possibilities:
1. Single day, one channel
2. Several days, one channel.

Example: Tuesday (2) and Thursday (4) to Sunday (7);
Switching time 19:00; Channel A ON

Start from: AUTO mode

↻ 1x
O.K. 1x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

◆ 1x
O.K. 2x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

◆ 1x
O.K. 1x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

O.K. 4x
◆ 1x

AUTO P ? ◌ S/W
`1:`
`1 2 3 4 5 6 7`

O.K. 1x
◆ 9x

AUTO P ? ◌ S/W
`19:`
`1 2 3 4 5 6 7`

O.K. 3x
◆ 1x

AUTO P ? ◌ S/W
`19:00`
`1 2 3 4 5 6 7`
`AON`
`A ⌐`

O.K. 1x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

Continue with input of further dates / functions or press
key ↻ 1x to return to mode AUTO.

PR mode
Holiday programming
Start and End programming by date

Example: Start: 20.04
End: 24.04
Channel A OFF (permanent)

Start from: AUTO mode

↻ 1x
O.K. 1x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

◀ 1x

AUTO P ? ◌ S/W
`0`
`START`

◆ 2x

AUTO P ? ◌ S/W
`2`
`START`

O.K. 3x
◆ 4x

AUTO P ? ◌ S/W
`2004`
`START`

O.K. 1x
◆ 2x

AUTO P ? ◌ S/W
`2`
`END`

O.K. 1x
◆ 4x

AUTO P ? ◌ S/W
`24`
`END`

O.K. 2x
◆ 4x

AUTO P ? ◌ S/W
`2404`
`END`

O.K. 1x
◆ 2x

AUTO P ? ◌ S/W
`AOFF`
`A ⌐`

O.K. 1x

AUTO P ? ◌ S/W
`1 2 3 4 5 6 7`

Continue with input of further dates / functions or press
↻ key 1x to return to AUTO mode.

The holiday programme does not occupy a storage location.

By input a new holiday programme the old holiday
programme is overwriten.

The hoilday programme is cleared at the end of the
holiday programme and the output relay goes into the
state of the switching programme. (Prgramme review)

S/W mode
Deactivate automatic summertime changes
(daylight saving)

The default setting on delivery, S/W time change is
activated.
Initial form: AUTO mode

↻ 4x
O.K. 1x

AUTO P ? ◌ S/W
`ON`

◆ 1x

AUTO P ? ◌ S/W
`OFF`

O.K. 1x

AUTO P ? ◌ S/W
`14:00`
`2`
`A ⌐`

The S/W –time
change is
deactivated

The time changeover is executed automatically
according to the „European Regulation".

Start: Last Sunday in March
End: Last Sunday in October.

? mode
Display or alter switching times

Example: Alter Tuesday and Thursday to Sunday
19:00;
Channel A ON
into : Wednesday to Sunday 19:30;
Channel A ON impulse 05 seconds

Start from: AUTO mode

↻ 2x
O.K. 1x

AUTO P ? ◌ S/W
`29 PL`

Number of
free storage
locations
available

O.K. 3x

AUTO P ? ◌ S/W
`19:00`
`2 4 5 6 7`
`A ⌐`

◆ 1x

AUTO P ? ◌ S/W
`19:00`
`1 2 3 4 5 6 7`
`A ⌐`

O.K. 1x
◆ 1x

AUTO P ? ◌ S/W
`19:00`
`1 2 3 4 5 6 7`
`A ⌐`

O.K. 1x
◆ 1x

AUTO P ? ◌ S/W
`19:00`
`1 2 3 4 5 6 7`
`A ⌐`

O.K. 7x
◆ 3x

AUTO P ? ◌ S/W
`19:30`
`1 2 3 4 5 6 7`
`A ⌐`

O.K. 2x

AUTO P ? ◌ S/W
`19:00`
`1 2 3 4 5 6 7`
`AON`
`A ⌐`

◆ 2x

AUTO P ? ◌ S/W
`19:30`
`1 2 3 4 5 6 7`
`AIMP`
`A ⌐`

O.K. 2x
◆ 5x

AUTO P ? ◌ S/W
`19:30`
`1 2 3 4 5 6 7`
`05`
`A ⌐`

O.K. 1x

AUTO P ? ◌ S/W
`29 PL`

Number of
free storage
locations
available

↻ 1x

AUTO P ? ◌ S/W
`14:00`
`2`
`A ⌐`

? mode
Cancel function

Example: Cancelling holiday programme
Start: 20.04 End: 24.04

Start from: AUTO mode

↻ 2x
O.K. 1x

AUTO P ? ◌ S/W
`29 PL`

Number of
free storage
locations
available

O.K. 1x

AUTO P ? ◌ S/W
`2004`
`-24 04`
`A ⌐`

CL 1x

AUTO P ? ◌ S/W
`29 PL`

Number of
free storage
locations
available

↻ 1x

AUTO P ? ◌ S/W
`14:00`
`2`
`A ⌐`

If CL key is pressed twice while free storage locations
available are displayed, all inputs are cancelled. (Clear
all)