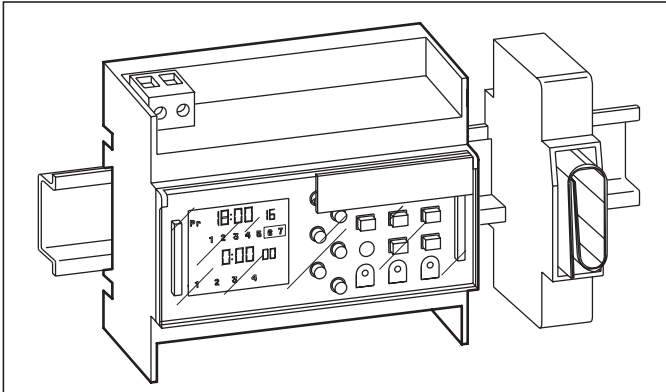


# Time switch

## 037 10, 037 11, 037 15 - MidiRex D64



NT 29 17 65 02



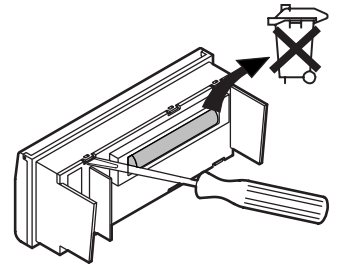
### Technical data

Supply voltage:  
 Frequency  
 Consumption:  
 Contact rating:  
 Parallel compensation:  
 Accuracy:  
 Terminal capacity:  
 Program pictures:  
 Battery reserve:  
 Storage ambient:  
 Working ambient:

037 10	037 11	037 15
230V	120V	24V
50/60Hz		AC/DC
ca. 0,6W		
4x 10A 250V-μ cos φ = 1		
not allowed		
±2,5s/d		
single strand	multi strand	
1 to 4 mm <sup>2</sup>	0,5 to 2,5 mm <sup>2</sup>	
58		
100h		
-10°C to +60°C		
0°C to +55°C		

### Safety notes

- Installation of these products should only be undertaken by a qualified electrician.
- The operational and electrical safety is only guaranteed, if the product is installed using its proper accessories, in a position as specified in the installation instructions (distribution panel, front of panel).
- Any interference with the product makes the guarantee void.
- This product contains a battery, which can be dangerous for the environment and has to be disposed of separately. The product has to be disassembled and the battery has to be removed from the printed circuit board.
- If the time switch is mounted near equipment where heat produced raises the local ambient above 55°C. Then a space should be put between the time switch and the equipment (e.g. ½ space module code 044 40 or 1 space module code 044 41).

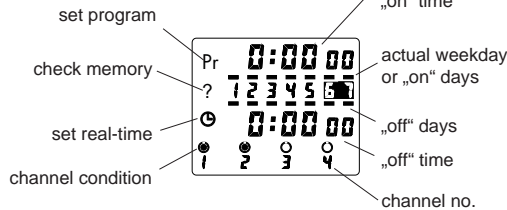


### Function

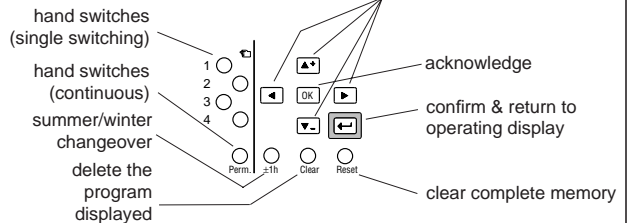
The MidiRex D64 is a microprocessor controlled digital time switch. The MidiRex D64 has 4 switching channels. Programming is done by completing a "program picture" with the "on" and "off" times and days and putting this into memory. A maximum of 58 "program pictures" can be stored. On power failure or when the keyboard is removed the switch channels will stay in their last position and not changeover according to their program. When the power supply returns or after the keyboard is returned to the housing the switch channels will follow their program requirements after 1,2 seconds.

### Presentation

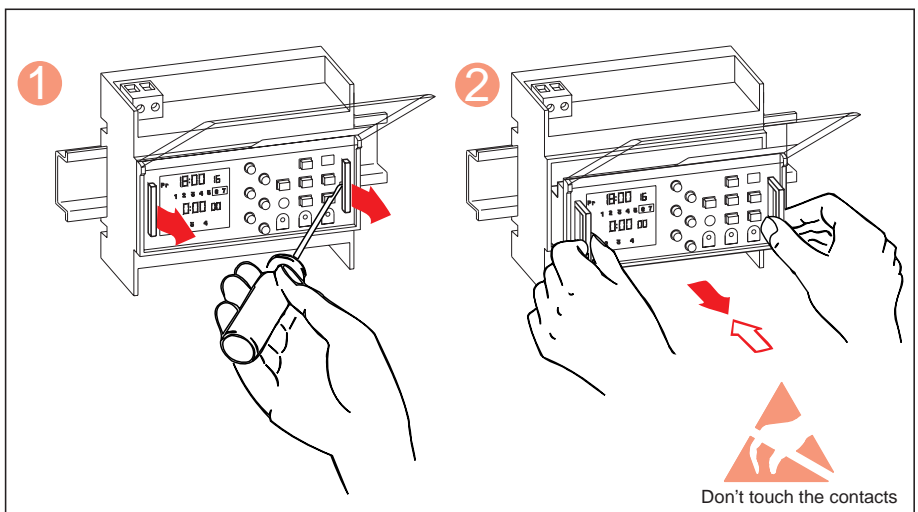
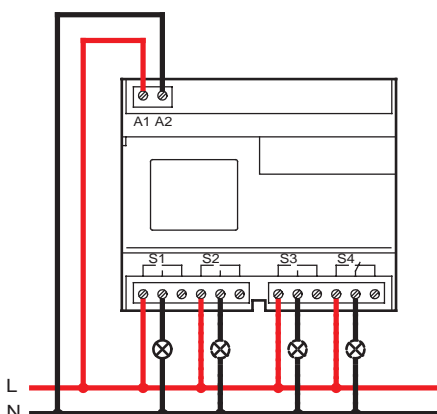
#### Liquid crystal display



#### Program keys



### Connection



## 1. Initial setting up

– Before any operation the complete memory must be reset.

– After connection of the power supply the time switch will be ready to operate in approx. 30 seconds.

– As the time switch has a battery the keyboard can be removed from its housing using a suitable tool and programmed separately. It is advisable to have the power on for at least 1 hour on its first charge as the battery will have completely discharged during shelf storage.

## 2. Setup notes

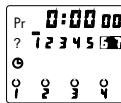
Menu symbols:

- Pr** program picture set
- ?** program picture check, delete, revise
- realtime and weekday set

– The choice and setting of the times, days and channels is made by controlling the cursor in the liquid crystal display (LCD).  
 – A particular selection sequence is not necessary.  
 – Finish the programming with the appropriate key.

## 3. Memory Reset

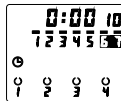
Press the key "Reset" to delete time and memory completely.



## 4. Time and weekday setting

symbol appears, blinks

hours blinks, initial display



hours steady

select hours

hours blinks

change to minutes, blinks

minutes steady

select minutes

minutes blinks

change to seconds, blinks

seconds steady

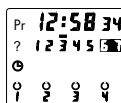
select seconds

seconds blinks

change to day, blinks

select day

realtime is set



## 5. Program picture setting, checking, deleting and revising

### 5.1 Set program picture

– Each program picture has an "on" and an "off" switching time.  
 – These switching times can be set to operate on one or more weekdays or channels.

choose "Pr" symbol from the menu, blinks

initial picture

set the on time as the real time was set (4.)



choose on days, blinks

set days for switch on and each time acknowledge with **OK** key

choose off days

set days for switch off and each time acknowledge with **OK** key

set the off time as the real time was set (4.)

choose channels, blinks

set channels required and each time acknowledge with **OK** key



program picture is set program picture put into memory

– The steps described can be completely deleted by pressing the "Clear" key. One can either start another program or return to the operating display by pressing .  
 – Incorrect inputs are simply overwritten.  
 – If a program picture is not accepted into the memory the missing or incorrect part will blink.

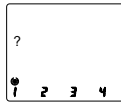
Press "OK" and revise this part.

### 5.2 Check program picture

The program picture are indicated in rising succession of weekdays.

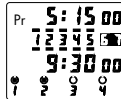
choose "?" symbol, blinks

channel 1 output display blinks



choose channel, blinks

channel display fixed



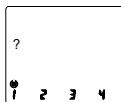
check switch time

end check

### 5.3 Delete program picture

choose "?" symbol, blinks

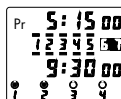
channel 1 output display blinks



choose channel, blinks

channel display fixed

advance to program picture for deletion



delete program picture

advantage to other program pictures for deletion

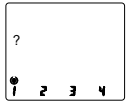
deletion ends

## 5.4 Revise program picture

choose "?" symbol, blinks

channel 1 output display blinks

choose channel, blinks



channel display fixed

advance to program picture for revision

menu prompt changes from "?" to "Pr" and the cursor can now be placed on the part of the program to be revised (see 5.1)



revision of picture ends



## 6. Hand switching functions

While the main supply is on the channels can be switched by hand irrespective of the programs in memory.

### 6.1 Single switching

press channel keys 1, 2, 3 or 4 as required

- 1
- 2
- 3
- 4

ON

OFF



#### Notes on single switching

Single switching is cancelled by:

- the following on or off switch time
- the changeover from summer to winter time
- the setting of real time
- the setting or checking of program pictures
- return of mains supply
- removal of the keyboard unit
- at the end of the running reserve.

When the single switching is cancelled the channels return to the condition as per their current program.

### 6.2 Continuous switching

choose the switching condition as described in 6.1.

press key, channel display blinks

ON

OFF

To end continuous switching press the appropriate channel key.

## 7. Summer/winter changeover

press as often as required to change the hours shown forward (for summer time) or backward (for winter time).  
 ±1h