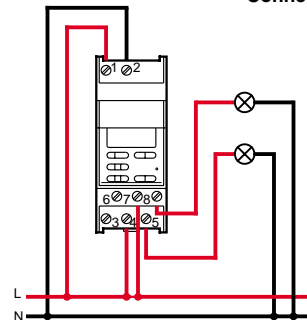


### Technical data

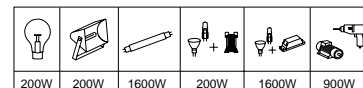
Supply voltage:	230V 50/60Hz	120V 50/60Hz
Consumption:	ca. 0,6W	
Contact rating:	2 changeover contact 10A 250V- $\mu$ cos $\varphi$ = 1	
Parallel compensation:	not allowed	
Accuracy:	$\pm 2,5$ s/d	
Terminal capacity:	single strand	multi strand
	4 mm <sup>2</sup> 2,5 mm <sup>2</sup>	
Program pictures:	8	
Battery reserve:	100h	
Storage ambient:	-10°C to +60°C	
Working ambient:	-10°C to +55°C	

### Connection



### 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.
- Any interference with the product makes the guarantee void.
- 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.

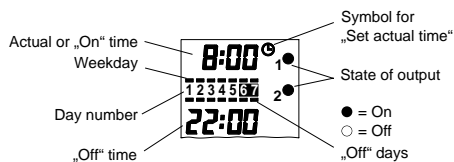


### Function

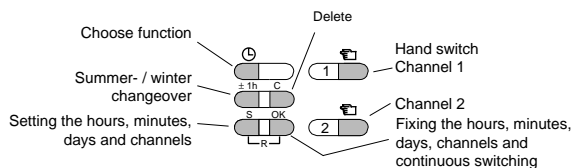
The MicroRex D22 is a microprocessor controlled digital time switch. Eight programs of your choice can be stored and used to control the automatic operation of your electrical equipment. Each individual weekday can have a separate program or you can have several days operating on the same „Block“ program. To program the MicroRex D22 a „picture“ is used and when this is complete the chosen times are stored in the microprocessor memory. The MicroRex D22 makes available 2 separate switching channels. The summer-/winter changeover can be programmed for hand or automatic operation.

### Presentation

#### Liquid Crystal Display



#### Programming Buttons



### 1. Starting

Approximately 30 seconds after the supply voltage is connected the symbols appear on the LCD.

**Before any operations the complete memory must be reset.**

### 2. Memory reset

**[S] + [OK]** press both at the same time



The time switch memory is completely clear.

### 3. Setting date and summer- / winter changeover

**This can only be done after a Reset.**

Summer- / winter changeover can be made manually or automatically if set. If manual changeover is required choose **no** during the date input. Automatic changeover depends on your country / area. Choose the appropriate setting for your country / area.

**Code d**

[S] Press until the correct day is set → **d:--**

[OK] Press once → **d:30**

[S] Press until the correct month is set → **-:--**

[OK] Press once → **d:30**

[S] Press until the correct year is set → **3:--**

[OK] Press once → **d:E**

[S] Choose (See table below)

Choice	Summer begins	Summer ends	Country / area
E	last Sunday in march	last Sunday in October	EU
A	1 <sup>st</sup> Sunday in April	last Sunday in October	only North America
Gb	last Sunday in April	4th Sunday in October	GB
no	No changeover	No changeover	

**H** Enter here the date for the beginning of summer for your country / area as well as the end of summertime. E.g. 31<sup>st</sup> March is shown for the beginning of summertime. In the following years it starts on the same day irrespective of the date.

**Setting of the beginning of summer code 1**

[S] Set the day → **1:--**

[OK] Press once → **-:--**

[S] Set the month → **1:31**

[OK] Press once → **-:--**

[S] Set the year → **1:31**

[OK] Press once → **3:--**

The start date is set.

**End date setting code 0**

Set the end date as above → **0:--**

[OK] Press once → **-:--**

**After setting the summer start now set the actual time**

Press [S] until display is as shown



**4. Setting actual time**

[OK] Press once → **0:00**

[S] Press until the correct hour is shown → **12345**

[OK] Press once → **15:32**

[S] Press until the correct minute is shown → **1234567 20**

[OK] Press once → **15:32 10**

The weekday will shown automatically

Actual time is now set

**5. Setting switching time**

Each program has an On- and Off-time.

**5.1 7 Day block program. Each day the same**

[OK] Press until this display appears → **--:--**

[S] Set the On hour → **1234567**

[OK] Press once → **--:--**

[S] Set the On minutes → **1234567**

[OK] Press once → **--:--**

[S] Set the Off hour → **1234567**

[OK] Press once → **--:--**

[S] Set the Off minutes → **1234567**

[OK] Press once → **--:--**

[OK] If the times are O.K. for channel 1 & 2 press OK.

otherwise use [S] [OK] to set the channel

[OK] Press once → **15:32 10**

1234567 20

End of program

**5.2 5 Day Monday to Friday program**

[OK] Press until this display appears → **--:--**

1234567

Set times as 5.1 above → **--:--**

**5.3 Single day programs**

[OK] Press until this display appears → **--:--**

[S] Set On hour → **1234567**

[OK] Press once → **--:--**

[S] Set On minute → **1234567**

[OK] Press once → **--:--**

[S] Set On Minute → **1234567**

[OK] Set On day → **1234567**

[S] Set other days as required only if it is necessary

[OK] Press once

[OK] Press to change to off hour

[S] Set off hour

[OK] Press once

[S] Set off minute

[OK] Press once

[OK] If the clock is on the correct day press

Otherwise use [S] [OK] to set another day

[OK] Press once → **8:00 1**

1234567 22:00

[OK] If the times are O.K. for channel 1 & 2 press OK.

Otherwise use [S] [OK] to set another day

[OK] Press once → **15:32 10**

1234567 20

End of program

**6. Check switching times**

[OK] Press once → **15:32 10**

1234567

[OK] Press several times until correct „picture“ is shown

[OK] Press until the actual time is shown → **15:32 10**

1234567 20

END

**7. Delete switching times**

[OK] Press several times until correct „picture“ is shown

[OK] Press to delete program and set a new programm or-

[OK] press until the actual time is shown → **15:32 10**

1234567 20

**8. On and Off manual operation**

Press [OK] or [OK] as required

Display 1 ● = On  
○ = Off  
Display 2 ● = On  
○ = Off

The time switch will follow the next „On“ or „Off“ program

**9. Continuous switching**

The switch condition **must first be chosen**

[OK] Press 1 or 2 as required

Display 1 ● = On  
○ = Off  
Display 2 ● = On  
○ = Off

[OK] Press once to either Display 1 ● resp. 2 ● or 1 ● resp. 2 ●

The time switch will remain in continuous „On“ or „Off“ position until it is changed.

**9.1 Terminating continuous switching**

[OK] Press once  
The time switch returns immediately to program mode

**10. Continuous switching for a chosen number of days**

This function **only applies to channel 1**

The switch condition **must first be chosen**

[OK] Press to give desired function

Display 1 ● = On  
Display 1 ○ = Off

[S] Press → **d 1**

[S] Press to choose the number of days (d1 to d99)

[OK] Press once → **15:32 10**

1234567 20

**d 14**

END

In the above example the time switch stays „On“ for 14 days. At 0:00 hours on the 15th day the time switch returns to its program mode.

**10.1 Terminating continuous switching**

[OK] Press once → **15:32 10**

1234567 20

**11. Summer-/ winter changeover**

This function is **only available if no was chosen during date input for summer- / winter selection (see 3)**

[OK] Press until the actual time goes forward 1 hour (summer) or back 1 hour (winter)

**12. Correcting mistakes (only in the mode of programming)**

[OK] Press once

[OK] Press until actual time is displayed → **15:32 10**

1234567 20

END

**13. Checking the date setting**

This function is **not available if no was chosen during date input for summer- / winter selection (see 3)**

[OK] + [OK] Hold & Press both buttons together → **d:30**

3:97

END