

<p>Connection diagram</p>	<p>1. Safety instructions</p> <ul style="list-style-type: none"> ⚠ The installation and assembly of electrical equipment must be only carried out only by a skilled Person! Otherwise fire danger or danger of an electric shock exists! ⚠ Connect the supply voltage/frequency as stated on the product label! ⚠ Warranty void if housing opened by unauthorised person! ⚠ The electronic circuit is protected against a wide range of external influences. Incorrect operating may occur if external influences exceed certain limits! 	<p>2. Initial operation</p> <ul style="list-style-type: none"> ■ The time switch is delivered in sleep-mode, the display is switched off. ■ Press OK / M button to wake it up. ■ The current date and time is already programmed and European daylight savings time is activated. ■ Select the desired language by pressing +/- buttons and confirm it by pressing OK. (Remark: By pressing M you move one step backwards from the current position) ■ If required, date, time and daylight savings time mode can be adjusted also by pressing +/- buttons and a subsequent confirmation with OK.
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<p>3. Technical data</p> <p>Supply voltage 230 V, 50-60 Hz Power consumption 0,2-1,0 W (depending on the switching status) Contact material AgSnO2 Type of protection IP 20 to DIN EN 60529 Permitted ambient temperature -30°...+55° Mode of operation 1 BSTU Degree of contamination 2 Rated surge voltage 4 kV Standard DIN EN 60730-1/DIN EN 60730-2-7 CFL, LED Ideal for modern lamps</p>	<p>4. Service</p>	<p>5. Intended use</p> <p>DIN-rail mounting product: The device fits for the particular use of the following tasks: Illumination of private and industrial areas, street and shop-window lightening, regulation of air conditioning, flushing, motors, pumps, plants and machinery as well as to simulate presence etc. Operate the device in a dry room only! The installation must be in accordance with the instruction manual. The device is not qualified for security relevant tasks such as emergency doors, fire protection equipment</p>	<p>6. Battery</p>
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<p>7. Menu overview</p>	<p>8. Symbol legend</p> <table border="1"> <tr><td>On</td><td>Channel is switched ON</td></tr> <tr><td>OFF</td><td>Channel is switched OFF</td></tr> <tr><td>Perm</td><td>For the current date the "holiday program" / "permanent by date" is activated</td></tr> <tr><td>Standard programming step</td><td>Standard programming step</td></tr> <tr><td>Manual override</td><td>Current state is based on a manual over-ride. The state will be cancelled with the next programming step.</td></tr> <tr><td>Permanent manual override</td><td>Current state is based on a manual over-ride. The state is permanent until terminated manually.</td></tr> <tr><td>Days of the week</td><td>Days of the week Monday, Tuesday, ... Sunday; The underscores indicate if the program is active for the days above.</td></tr> <tr><td>Pulse function</td><td>Current state is based on a switching time with pulse function</td></tr> <tr><td>Lock</td><td>The time switch is locked; to unlock the device the PIN has to be entered.</td></tr> </table>	On	Channel is switched ON	OFF	Channel is switched OFF	Perm	For the current date the "holiday program" / "permanent by date" is activated	Standard programming step	Standard programming step	Manual override	Current state is based on a manual over-ride. The state will be cancelled with the next programming step.	Permanent manual override	Current state is based on a manual over-ride. The state is permanent until terminated manually.	Days of the week	Days of the week Monday, Tuesday, ... Sunday; The underscores indicate if the program is active for the days above.	Pulse function	Current state is based on a switching time with pulse function	Lock	The time switch is locked; to unlock the device the PIN has to be entered.
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9. New Program

<p>10. Key function</p> <ul style="list-style-type: none"> M: 1. To access the Enter-mode (program, adjustments, options) from the automatic mode. 2. To revert to the beginning of the current (sub-) menu. +/-: 1. To adjust the flashing digit. 2. To scroll through a choice A/B: 1. Automatic-mode: To switch the channel ON or OFF until the next programming step occurs. 2. Automatic-mode: A push longer than 3 sec. = Permanent switching status. OK/M: 1. To activate the time switch when operated without power supply. 2. To confirm the selection or the entered data. 	<p>11. Handling advice</p> <ul style="list-style-type: none"> ■ The time switch is programmable without external power supply after pressing the OK / M -button. ■ To revert one step or one level back while in the Enter-Mode press M. ■ After completion of a (sub-) menu confirming end will return the device into the automatic-mode. ■ With +/- the choice changes from end to continue. By confirming continue the time switch returns to the beginning of the current (sub-) menu. ■ When confirming end before completion, the time switch returns to the automatic-mode without saving the entered data. 	<p>12. Permanent / Extra switching times</p> <ul style="list-style-type: none"> ■ Permanent On / Off 24.12. 26.12. 08:00 - 12:00 Perm OFF ■ Extra switching times optionally selectable 28.07. 08:00 On
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<p>13. Additional adjustments</p> <table border="1"> <thead> <tr> <th>Menu</th> <th>Main menu</th> <th>Application</th> </tr> </thead> <tbody> <tr> <td>Program query</td> <td>Program</td> <td>To query the programming steps and remaining memory locations</td> </tr> <tr> <td>Program delete</td> <td>Program</td> <td>Deletion of switching time(s). The program for all channels, single channels and single programming steps within on channel can be deleted.</td> </tr> <tr> <td>Date-Time</td> <td>Adjustment</td> <td>Adjustment of date and time</td> </tr> <tr> <td>Summertime</td> <td>Adjustment</td> <td>Adjustment of the daylight saving time mode (ON/OFF)</td> </tr> <tr> <td>Language</td> <td>Adjustment</td> <td>Choice of languages</td> </tr> <tr> <td>Factory Defaults</td> <td>Adjustment</td> <td>Reset to the state of delivery.</td> </tr> <tr> <td>Counter</td> <td>Options</td> <td>Displays the hour counter and pulse counter for each channel and the time switch itself.</td> </tr> <tr> <td>PIN-Code</td> <td>Options</td> <td>The time switch can be locked with a 4-digit PIN-Code. The code can be adjusted, activated and deactivated. If you have forgotten the Code please call customer service.</td> </tr> </tbody> </table> <p>Extra switching time: Program -> new program -> channel A/B -> Extra switching time -> M</p> <p>These programming steps are single switching times by date.</p>	Menu	Main menu	Application	Program query	Program	To query the programming steps and remaining memory locations	Program delete	Program	Deletion of switching time(s). The program for all channels, single channels and single programming steps within on channel can be deleted.	Date-Time	Adjustment	Adjustment of date and time	Summertime	Adjustment	Adjustment of the daylight saving time mode (ON/OFF)	Language	Adjustment	Choice of languages	Factory Defaults	Adjustment	Reset to the state of delivery.	Counter	Options	Displays the hour counter and pulse counter for each channel and the time switch itself.	PIN-Code	Options	The time switch can be locked with a 4-digit PIN-Code. The code can be adjusted, activated and deactivated. If you have forgotten the Code please call customer service.	<p>14. Pulse</p> <p>Program -> New program -> Channel A/B -> M</p> <p>The pulse function provides you the opportunity of programming a switching time with a defined duration. As soon as the pulse-duration has expired the time switch switches OFF automatically (the duration of the pulse is up to 59:59 mm:ss). The programming is carried out like a standard switching time (see point 8 / 9) with following differences</p> <ul style="list-style-type: none"> ■ Choose Pulse function (9F). ■ Define the duration of the pulse (pulstime minute / pulstime second). ■ Program the days of the week ■ Program the switching time (time hour / time minute) ■ Validation: Confirm the blinking summary of the pulse program <p>15. Programming via NFC</p> <p>The near field communication (NFC) is an international standard to transfer data wireless over short distances (10-20 cm or less). You can use a smartphone to transfer switching times and further information fast and secure to the time switch.</p> <p>Programmable via NFC with android APP</p>
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