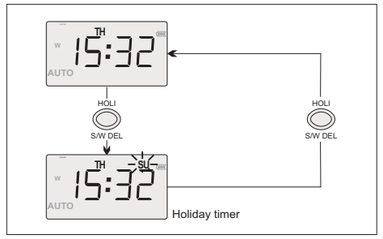
Holiday Timer B3

With the holiday timer, you have the possibility to activate the switching times programmed for Sundays at the push of a button.



If you activate the holiday timer before 18:00 hrs, it is automatically deactivated at midnight (24:00 hrs) on the same day.

If you activate the holiday timer after 18:00, it is first automatically deactivated at midnight (24:00) the next day.

In the operating mode »automatic operation with holiday timer«, the holiday timer is deactivated with a random difference of 15 minutes.

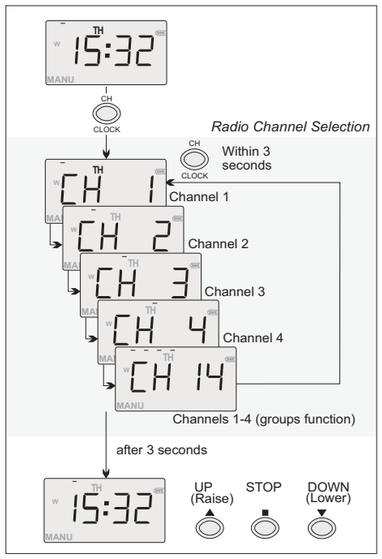
Lowering/Raising Shutters/Awnings with the Touch of a Button C

In all operating modes (see B1), you can raise and lower the shutters/awnings manually at the push of a button.

If the shutter/awning raises/lowers time-controlled, you can stop this manually by briefly pressing the ■ button.

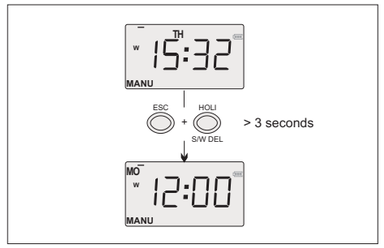
The current radio channel is permanently displayed with bar symbols in the top part of the display.

After initially pressing the CH/CLOCK button, the current radio channel (CH) is displayed at first.



Reset (Delete Data Completely)

You have the possibility to delete all saved data completely and restore the default settings or re-program the radio timer:



Besides the basic settings shown here, the two switching times stated in B2 are preset.

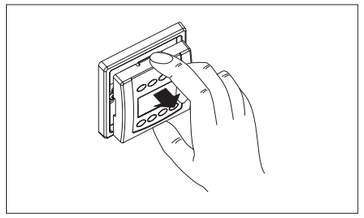
- Repeat the steps for initial operation (see A1, A2, A4).

Re-program the switching times for automatic operation (see B2).

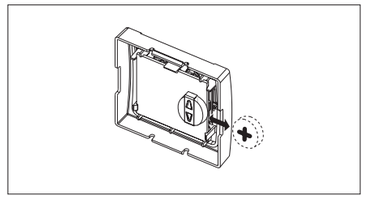
Changing the Battery

The battery capacity is shown in the display with the symbol . If the complete battery symbol blinks, you have to exchange the battery.

- Press the radio timer together in the center on the top and the bottom and pull it out of the wall mount.



- Exchange the battery. Only use batteries of the type CR2032. **Observe the correct polarity!**



- Replace the timer in the wall mount. The stop latches have to snap into place.

The clock has a power reserve of some minutes. If the radio timer is without voltage supply for a longer period, you have to reset the time (see A1).

However, the programmed switching times (see B2) and saved propagating times (see A4) are maintained in case of a voltage cutout.

Attention! Keep batteries out of the range of children!

Troubleshooting

- If the symbol blinks: Exchange the batteries.
- If there is no visible display: check the battery polarity or exchange the battery.
- If the control does not react to pressing buttons in manual operation: re-enter the radio channels of the radio timer in the radio controls.
- If the control does not react to the programmed switching commands in automatic operation: check whether the radio timer is in the operating mode »automatic operation«. Check the programmed switching times. If necessary, re-enter the radio channels of the radio timer in the radio controls.

Technical Data

Frequency:	868,30 MHz
Modulation:	FSK
Voltage supply:	1 x 3 V-battery, CR2032
Power consumption:	
- Static current	approx. 12 µA
- Transmission current	approx. 13 mA
Operating temperature:	0°C to 50°C
Range:	
- with good free field conditions	approx. 100 m
- in buildings	approx. 30 m
Dimensions:	approx.80 x 80 x 16 mm
Weight:	approx. 50 g

Disposal Notices

Dispose of the obsolete device via a collection point for electronic scrap or your retailer.

Dispose of the spent batteries in a designated container for spent batteries or via the specialized retail trade.

Dispose of the packaging material in collection containers for paper, cardboard and plastics.

Obsolete appliances and batteries may not be disposed of in the household waste!

Warranty

Within the statutory warranty period, we remedy defects of the device due to material or production defects free of charge by means of repair or exchange.

The warranty expires in case of external modifications/interference.

Conformity

The product fulfils the essential demands of the R&TTE directive 1999/5/EG.

For application in: EU/CH/FL/IS/N

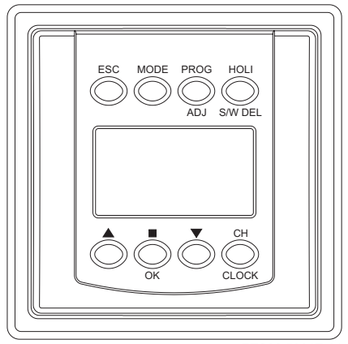
The Declaration of Conformity can be found on the Internet at: www.eldat.de.

Customer Service

Should defects/errors occur despite accurate handling, or if your device was damaged, please contact your retailer or the following address:

ELDAT GmbH
Im Gewerbepark 14
15711 Zeesen
Germany
Phone: + 49 (0) 33 75 / 90 37-0
Telefax: + 49 (0) 33 75 / 90 37-90
Internet: www.eldat.de
E-mail: info@eldat.de

GB RTS06 Radio Timer



RTS06-5004E-01

Safety Notices

Please read these instructions carefully before commissioning the product!

We shall not be liable for damage to objects or persons caused by non-compliance with these operating instructions and especially with the safety notices!

Also observe the operating instructions of the devices to be controlled!

The automatic control of systems or devices that need to be supervised is not permitted. Do not modify the radio timer yourself!

Have radio timers that do not function checked by the manufacturer!

Intended Use

The radio timer RTS06 was exclusively developed and manufactured for the time-controlled switching of devices with Easywave radio controls.
The manufacturer shall not be liable for damage caused by improper or unauthorized use.

General Notices

The radio timer works in the 868 MHz range, which is also used by other radio services. Therefore, other devices that work on the same or a neighboring frequency may impair the operation and the range of the timer.
The received power of the radio controls to be activated may be influenced by several factors:

- Installation site
- Unscreened devices and systems
- Other transmitters in the frequency range
- Weather conditions and similar

In case of interferences that cannot be remedied, contact an expert workshop or the manufacturer.

Function

The radio timer RTS06 is a wall-mounted battery-operated radio timer (surface-mounted) for the time-controlled switching of Easywave radio controls (function range: UP / STOP / DOWN), e.g. electric-drive shutters, awnings and illumination.

The radio timer has four individually coded radio channels so that four different radio telegrams can be sent to control four devices or groups individually.

Additionally, it is possible to transmit the four different radio telegrams together (with a delay of approx. 0.5 seconds per channel) and therefore activate all four devices or groups simultaneously (group function).

The following four operating modes are available:

- Manual operation (factory setting)
- Automatic operation
- Automatic operation with temporary manual operation
- Automatic operation with holiday timer

The following functions can be programmed in the three automatic operating modes:

- 24-h switching period (day function) or 1 week (week function),
- individual switching times for each radio channel as well as for each weekday or different weekdays (Monday to Friday and Saturday/Sunday)
- Raising and lowering shutters and awnings to intermediate positions.

With a holiday setting, the switching times programmed for Sundays can be activated on holidays with only one push of a button.

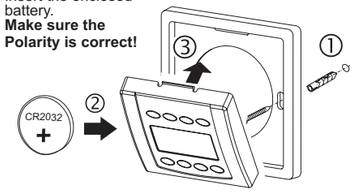
The clock can also be changed from wintertime to daylight saving time with one push of a button.

Installing the Radio Timer

1. Mount the wall mount with the enclosed screws and dowels on the desired installation site.

   Avoid installing the timer in one of the following sites as this may impair the range of the transmitter: in a distribution box or a metal casing, in direct proximity to large metal objects and on the floor or close to it.

2. Insert the enclosed battery.
   Make sure the Polarity is correct!

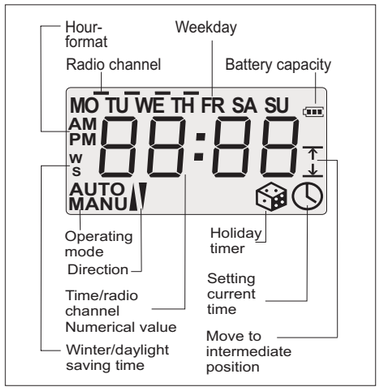


3. Replace the radio timer in the wall mount. The snap catches have to lock.

Key Functions

Button	Function	Point
ESC	(ESCAPE) return to ready status	
MODE	(MODE) Change operating mode	B1
PROG ADJ	(PROGRAM) Change to programming mode or change hour format (AM/PM) **Press > 3 seconds:** (ADJUST) Change to training mode	B2 A1 A4
HOLI S/W DEL	(HOLIDAY) Activate holiday mode **Press > 3 seconds:** (S/W) Switch between daylight saving and wintertime (DELETE) Delete selected switching time	B3 A2 B2
▲	(UP) Raise shutter/awning / Send / Easywave telegram A Increase value / scroll forward	C A1, B2
■ OK	(STOP) Stop shutter/awning / Send Easywave telegram C (OK) Confirm setting	C A1, B2
▼	(DOWN) Lower shutter/awning / Send Easywave telegram B Reduce value / scroll back	C A1, B2
CH CLOCK	(CHANNEL) Select radio channel **Press > 3 seconds:** (CLOCK) Change to clock set mode	A4, C A1

Display



Putting the Radio Timer into Service A

Perform the following steps to put the radio timer into service:

- Set the time and the weekday (see A1),
- Switching between winter time (W)<>daylight saving time (S) (see A2),
- Memorizing radio channels in the control (see A3),
- Measuring and saving the propagating times (see A4).

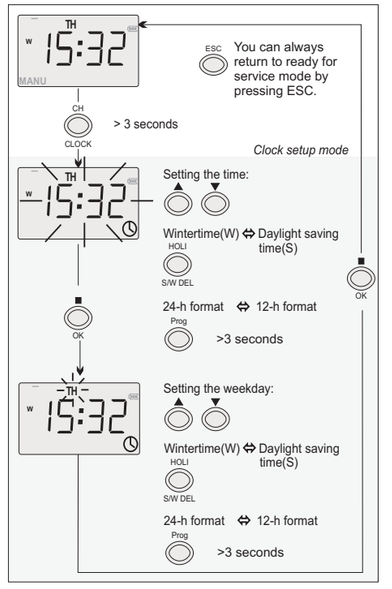
Setting the Time and Weekday A1

In clock set mode, you can set the time and the weekday, change from wintertime (W) to daylight saving time (S) and select 24-h or 12-h display.

The weekday abbreviations are as follows:

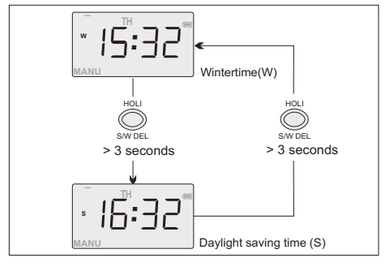
MO	Monday	**FR**	Friday
TU	Tuesday	**SA**	Saturday
WE	Wednesday	**SU**	Sunday
TH	Thursday		

The timer automatically returns to ready for service mode when you do not press a button within 5 minutes.



Switching from Winter Time <> Daylight Saving Time A2

You can also switch from wintertime (W) to daylight daylight saving time (S) without changing to clock set mode (A1):



In this case, the clock is set back/forward by one hour.

Memorizing Radio Channels in the Controls A3

To enable the tubular motor to react to the radio signals of the radio timer, you first have to memorize the radio channels in the individual controls.

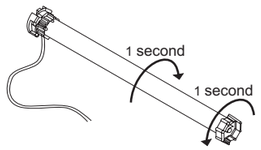
Also refer to the operating instructions of the tubular motor control(s).

Do not select the group function for memorizing the radio channels in the tubular motor controls.

Situation a): Memorizing the radio timer as the first transmitter in the tubular motor control

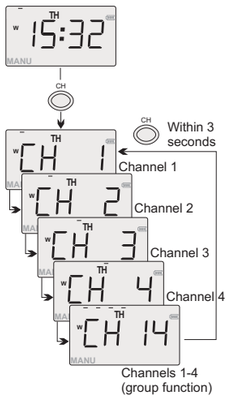
1. **Tubular motor:** Activate the supply voltage

   The tubular motor rotates in both directions for 1 second each.



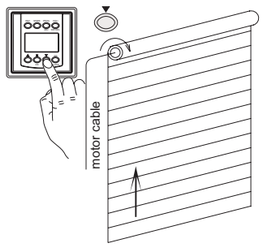
2. **New radio timer:**

   Select the desired radio channel.



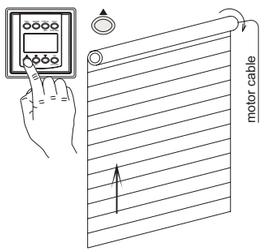
3. **New radio timer:**

3.1 Rotation direction of the motor clockwise, when retracting the awning.



or

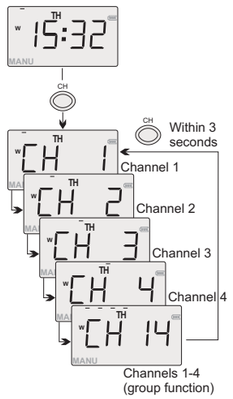
3.2 Rotation direction of the motor counter-clockwise, when retracting the awning.



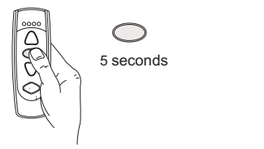
The tubular motor rotates in both directions for 1 second each.

Situation b): Memorizing the radio timer when a manual transmitter is already memorized in the tubular motor control

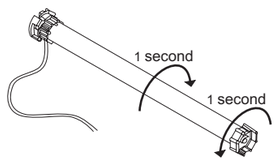
1. **New Radio Timer:**
   Select the desired radio channel.



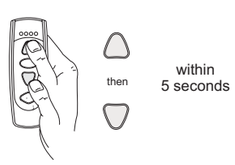
2. **Already memorized manual transmitter:**



The tubular motor rotates in both directions for 1 second each.

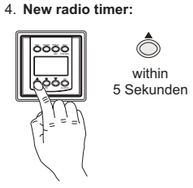


3. **Already memorized manual transmitter:**



The tubular motor rotates in both directions for 1 second each.

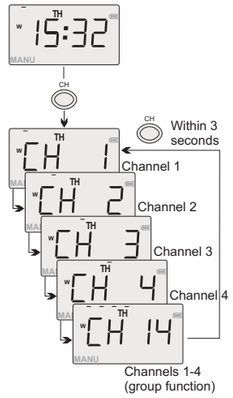
4. **New radio timer:**



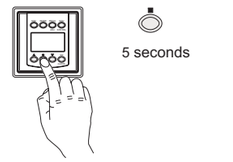
The tubular motor rotates in both directions for 1 second each.

Situation c): Memorizing a manual transmitter if a radio timer is already memorized in the tubular motor control

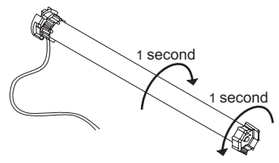
1. **Already memorized radio timer:**
   Select the desired radio channel.



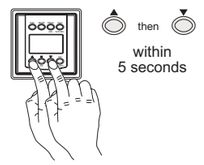
2. **Already memorized radio timer:**



The tubular motor rotates in both directions for 1 second each.

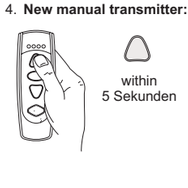


3. **Already memorized radio timer:**



The tubular motor rotates in both directions for 1 second each.

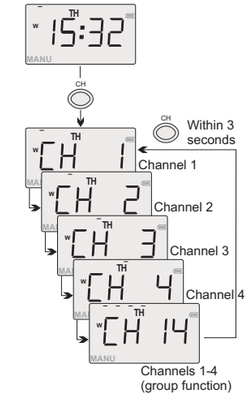
4. **New manual transmitter:**



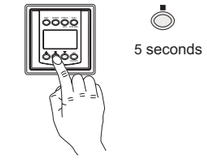
The tubular motor rotates in both directions for 1 second each.

Situation d): Memorizing the radio timer if a radio timer is already memorized in the tubular motor control

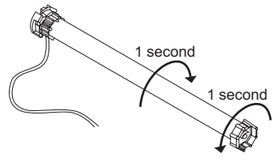
1. **New and already memorized radio timer:**
   Select the desired radio channel.



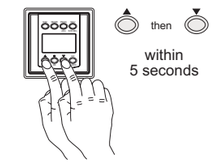
2. **Already memorized radio timer:**



The tubular motor rotates in both directions for 1 second each.



3. **Already memorized radio timer:**



The tubular motor rotates in both directions for 1 second each.

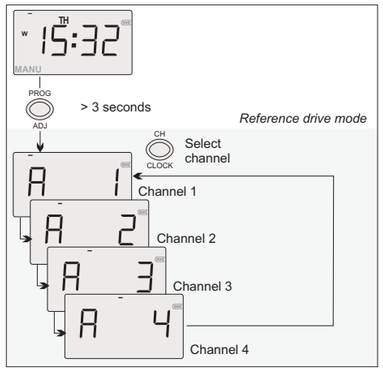
4. **New radio timer:**

The tubular motor rotates in both directions for 1 second each.

Measuring and Saving the Propagating Times

For intermediate positioning in automatic mode, the radio timer has to measure and save the propagating time for raising and lowering the shutter/awning assigned to the radio channel once for each channel (»reference drive«).

- By pressing the ▲ shutter/awning to the top end position .



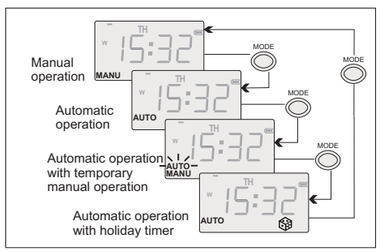
- When the shutter/awning is in the top end position:
  Press the ▼ button until the shutter/awning has moved to the bottom end position, then let go of the button.
  The radio timer measures and saves the time required to lower the shutter/awning.
- Press the ▲ button until the shutter/awning has moved to the top end position without interruption, then let go of the button.
  The radio timer measures and saves the time required to raise the shutter/awning.
- Repeat the two reference drives for the remaining radio channels / for additional shutters/ awnings.
- ESC Briefly press ESC to leave the reference drive fmode and return to ready for service mode.

Raising/Lowering Shutters/Awnings Time-Controlled B

Changing the Operating Mode B1

The radio timer has altogether four different operating modes:

- **Manual operation** (factory setting): Shutters and awnings can only be raised and lowered manually, meaning by pushing a button. The programmed switching times are deactivated.
- **Automatic operation:** Shutters and blinds can be raised and lowered either time-controlled or manually.
- **Automatic operation with temporary manual operation**:
  After switching to this operating mode, the programmed switching times are deactivated until midnight (24 hrs). Afterwards, the radio timer switches independently to automatic mode. This serves to prevent the automatic lowering of a shutter on a summer evening on the terrace, for example.
- **Automatic operation with holiday mode:**
  Shutters/awnings are raised or lowered according to a randomly generated time difference to the programmed times of the automatic operation mode (max. 15 min). This lets your house appear inhabited in your absence. With the MODE button, you can switch between the four operating modes:



Programming Switching Times B2

The operating modes »automatic operation«, »automatic operation with temporary manual operation« and »automatic operation with holiday timer« enable the time-controlled raising and lowering of shutters and awnings.

The radio timer features two default switching times:

- Raising the shutter/awning from Monday through Sunday at 7:00 hrs to the end position for radio channel 1.
- Lowering the shutter/awning Monday through Sunday at 21:00 hrs to the end position for radio channel 1.

In programming mode, you can

- display the programmed switching times and,
- program new switching times,
- change programmed switching times,
- delete programmed switching times.

You can program altogether 30 switching times. Once all memory slots are occupied, the display shows the message FULL:

If **move to intermediate position** is programmed, the shutter/awning first moves to an end position and then to the desired intermediate position.

With the **weekdays**, you have the following selection options:

MO Monday
TU Tuesday
WE Wednesday
TH Thursday
FR Friday
SA Saturday
SU Sunday

MO - FR Monday to Friday
SA - SU Saturday and Sunday
MO - SU daily (daily function)

If the radio timer was set to 12-hr display (see A 1), the switching times are also displayed in 12-hr format (with AM/PM symbol).

If no button is pressed for 5 minutes, the radio timer returns to ready for service mode.