Operating instruction DUOMATIC 50 B

The **DUOMATIC 50 B** timer is compatible with all standard switch programmes with 50mm x 50mm cutouts (in accordance with DIN 49075).

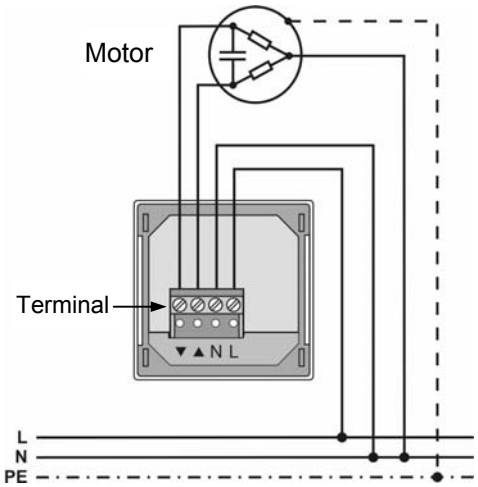


ATTENTION!

This appliance is not intended for use by person (including children) with reduced physical, sensory or mental capabilities, or lack of experience and knowledge, unless they have been given supervision or instruction concerning use of the appliance by a person responsible for their safety.

Children should be supervised to ensure that they do not play with the appliance.

Wiring diagram



Technical appliances data

Nom. operating voltage:	230V / 50 Hz
Switching voltage:	250V AC
Switching contact load:	3A (cos phi=1)
Temperature range:	0°C to +45°C
Travel time:	2 min.
Switching delay:	min. 0,5 sec.
Accuracy:	< 5 sec./day
Reserve power:	≥ 16 hrs.
Degree of protection:	IP 40
Safety class:	II
Conformity:	CE

Operating the timer

DOWN button **< 1 sec.**	Inching mode; or STOP when motor running
DOWN button **> 1 sec.**	DOWN command 2 min.
UP button **< 1 sec.**	Inching mode; or STOP when motor running
UP button **> 1 sec.**	UP command 2 min.
Mode button **> 2 sec.**	Activating the programming mode
Mode button **< 2 sec.**	Changing the operating mode (manual mode; automatic; random automatic)
Reset button	Initialising the appliance (new start); appliance is reset to the factory settings

Programming the timer

Press the Mode button > 2 sec.	Time blinks. After new initialising and RESET the factory setting blinks (=> 12:00h).
Set the time with the **UP** or **DOWN** buttons	As soon as the UP or DOWN button is pressed the display stops blinking. If the UP or DOWN button is held the time display accelerates up to half-hour steps.
Confirm with the **Mode** button	Current UP time is displayed. UP arrow blinks. After new initialising: factory setting UP time (=> 07:00h).
Set the **UP** time with the **UP** or **DOWN** buttons	If the UP or DOWN button is held the time display accelerates up to half-hour steps. UP arrow blinks.
Confirm with the **Mode** button	Current DOWN time is displayed. DOWN arrow blinks. After new initialising: factory setting DOWN time (=> 21:00h)
Set the **DOWN** time with the **UP** or **DOWN** buttons	If the UP or DOWN button is held the time display accelerates up to half-hour steps. DOWN arrow blinks.
Confirm with the **Mode** button	Exit from programming mode; time and selected mode are displayed.

Factory settings

If the **RESET** button is pressed all values return to the factory settings:

Daily programme:	UP 07:00h, DOWN 21:00h
Time:	12:00h
Function mode:	**man**

Possible function modes

Pressing the **Mode** button switches through all possible function modes successively. You can select from 3 modes:

man	Manual control
auto	Automatic (daily programme)
⏲+	Automatic (daily programme) + random generator

In the automatic mode the shutters are raised or lowered automatically at the programmed times.

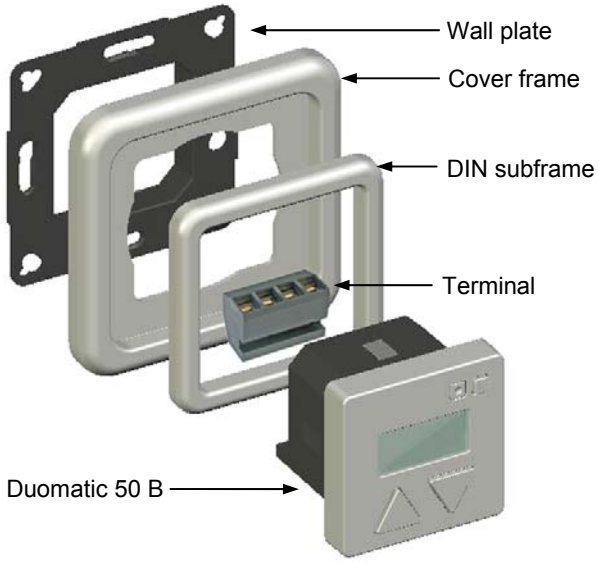
Inching mode

Touch the direction buttons (about 1 sec.) to slant the blind slats. The system remains in the Automatic mode.

Random generator

If the random generator is activated the programmed UP and DOWN times are moved back randomly by 1 - 31 minutes.

ATTENTION! Work on the 230V supply may only be carried out by a certified electrician!



The appliance's mounting dimensions of 50x50 mm enable it to be installed in most standard switch programmes from leading switch manufacturers.

For this purpose the timer's frames have to be replaced by the respective manufacturer's DIN subframe and cover frame.

The following table contains a selection of matching intermediate subframes.

Because all manufacturers have their own colour ranges slight difference in shade between the appliance and the subframe / cover frame may occur.

Information for the electrician!

Please use a deep switch box to install the timer. Make sure that the cables do not stop the appliance from clicking in place correctly.

Compatibility list (colour: ultra white, RAL 9010)

Manufacturer	Switch programme	DIN subframe	Colour	Manufacturer's art. no.
Busch-Jaeger	Carat / Solo / Future	Central disc	Studio white	1746/10-84
	Impuls	Central disc	Alpine white	1746/10-74
	Reflex SI	Central disc	Alpine white	1746-214-101
	alpha nea / exclusive	Central disc	Alabaster/studio white	1746/10-24G
Berker	Modul 2	Intermediate ring	Polar white	1109 09
	S.1 / B.1 / B.3 / B.7 Glas	Adapter ring	Polar white	1109 19 89
	K.1 / K.5	Adapter ring	Polar white	1108 71 09
	Arsys	Intermediate ring	Polar white	1108 01 69
GIRA	Standard 55	Intermediate plate	Pure white	0282 03
	E 2 / E22 / Event / Esprit	Intermediate plate	Pure white	0282 03
	Flaechenschalter	Intermediate plate	Pure white	N0282 112
	S-Color	Intermediate plate	Pure white	0282 40
Merten	Artec	Intermediate ring	Polar white	5160 99
	M1 / Atelier	Intermediate ring	Polar white	517119
	M-SMART / M-STAR	Intermediate ring	Polar white	518119
	M-PLAN / M-ARC	Intermediate ring	Polar white	518119
JUNG	CD 500	Intermediate frame	Alpine white	CD 590 ZA WW
	A 500 / AS 500 / A plus	Intermediate frame	Alpine white	A 590 Z WW
	LS-design	Intermediate frame	Alpine white	LS 961 Z WW
Hager	Kallysto.pur / .stil / .art	Intermediate frame	Brilliant white	WYA550
presto vedder	Regina	Cover	Ultra white	7030 R UW
	Alessa	Cover	Ultra white	2030 R UW
	Fiorena	Cover	Ultra white	3030 R UW
PEHA	Standard	Central plate	Pure white	219711
	Dialog	Central plate	Pure white	819511
	Aura	Central plate	Pure white	117511
ELSO	RIVA / Scala / Fashion	Combination frame	Pure white	203084
	Novia	Combination frame	Pure white	283164
Popp	Forever	Intermediate frame	Pure white	729811
	Pallas	Intermediate frame	Pure white	729842

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