

adhoco.B1 installation instructions

adhoco.B1 is a radio-controlled, universal roller-blind control. As a part of the Adhoco system it controls roller-blinds, venetian blinds, blinds and motor-driven awnings.

Scope of delivery

adhoco.B1 Item no. 00313
1 1 Installation instructions Item no. P0035.01

Safety instructions



Read the operating instructions enclosed with the *adhoco.H1* control unit prior to installing *adhoco.B1*.

The installation must be carried out by a qualified specialist and in compliance with the appropriate installation instructions for stationary electrical installations..

Place of installation

Dry interior rooms, places suited for electrotechnical (stationary) installations, roller-blind housings, cable ducts

Installation preparation



Warning! Hazardous voltage!

adhoco.B1 is connected to the 230V house installation network. Upon contact this voltage may cause serious injuries or death. Make sure the house installation network is disconnected from the mains prior to the installation.

Use commercially available double push-buttons for low voltage (3.3VDC, 5VDC or 24VDC) or for mains voltage.

Select the type of shading equipment from the following table. Switch the type switch to the position mentioned.

Type of shading equipment	Type switch settings
Venetian blind (with slats)	
Roller-blinds with slats	
Blind (textile blind)	

Damit die Steuerung die Lamellenwinkel bzw. Rolladenschlitze richtig steuert, müssen die Typenschalter gemäss folgender Tabelle eingestellt werden.

Shutting times (to be taken from the manufacturers')

Venetian blinds (slats)	Roller-blinds with slats	Type switch settings							
		8	7	6	5	4	3	2	1
0.5 sec.	5.0 sec.								
0.625 sec.	5.225 sec.								
0.75 sec.	5.5 sec.								
0.875 sec.	5.84 sec.								
1.0 sec.	6.25 sec.								
1.125 sec.	6.76 sec.								
1.25 sec.	7.38 sec.								
1.375 sec.	8.14 sec.								
1.5 sec.	9.07 sec.								
1.625 sec.	10.21 sec.								
1.75 sec.	11.61 sec.								
1.875 sec.	13.32 sec.								
2.0 sec.	15.42 sec.								
2.125 sec.	17.99 sec.								
2.25 sec.	21.24 sec.								
2.375 sec.	25.0 sec.								

Settings	Type switch settings
Motor	8 7 6 5 4 3 2 1
Time scale 1	
Time scale 1	
Motor with feedback	
Motor without feedback	

If the times are not known, they can be determined as follows:

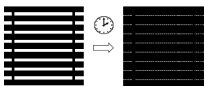
a) Venetian blind (with slats)



Measure the time required to completely open or shut the slats (at constant height).

In the shutting time table, go to the column "Venetian blinds", look for the measured time and set the type switch to the corresponding position.

b) Roller-blinds with slots



Move the roller-blind down. Measure the timespan from the first touch of the window-sill until the slots are completely shut.

In the shutting time table, go to the column "Roller-blinds with slots", look for the measured time and set the type switch to the corresponding position.

Installation

After unpacking, you may set the room to which the *adhoco.B1* shall be assigned, at the room selector switch, using a small screwdriver.

1. Connect the *adhoco.B1* to the motor, the buttons and the de-energised house installation network according to the wiring diagram.
2. Parallel operation: If two shading facilities are operated in parallel, connect the two *adhoco.B1* with a serial line. Set the jumper on the first one to "Master" and on the second one to "Slave". Connect a 10 kΩ resistor to the terminals +5V and RX on either the master or the slave. Alternatively a cut-off relay can be used. (Only connect shading equipment of the same type and length in parallel.)
3. Energize the feed line..
4. To measure the duration of moving down and up, the shading equipment performs a reference run. A reference run can be triggered any time by a short keystroke of the Reset button.
5. With drives without motor feedback, the end positions must be manually marked during the reference run. As soon as the lower position is reached, press the button "Up". As soon as the upper position is reached, press the button "Down".
6. Option door contact (item no. D0907): Connect in accordance with the wiring diagram.
7. Check: To test the shutting times, lower the shading equipment by a long keystroke..

Operation

Short keystroke: The shading equipment moves completely down or up. A cycle can be stopped by a short keystroke, and the slats go back to their initial position.

Long keystroke (slat blinds): Before the vertical cycle starts, the slats are gradually tilted by 15 degrees, at intervals of 0.5 seconds. When the button is released, the shading equipment remains in its current position.

Integration into the system

1. On the *adhoco.H1* control unit, select "Add device". Press the Reset button of *adhoco.B1*. While *adhoco.B1* regi-

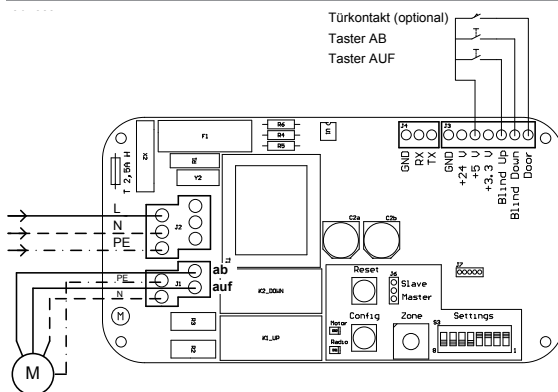
sters on the Adhoco radio network, its LED is flashing. After successful registration the LED is permanently on (operational readiness). The *adhoco.H1* control unit displays: „Device added“.

2. Enter a meaningful name for the *adhoco.B1* remote control on the *adhoco.H1* control unit.
3. Perform the following function check:
On the *adhoco.H1* control unit, select Device list > *adhoco.B1*, and then Position 0%. If the shading equipment moves down and, after entering Position 100% up again, *adhoco.B1* is ready for operation.



More detailed information on the integration of the *adhoco.B1* into the Adhoco system can be taken from the operating instructions.

Wiring diagram



Caution!

Always connect the Master RX to the Slave TX and the Master TX to the Slave RX.

N Neutral conductor
L Pole conductor (230V AC/50 Hz)
PE Protective earth
— Switching wire min.

Max. switching perfor-	2.5A
Nominal voltage	230 VAC, 50 Hz
Switchable motors	1-Ph AC motors

Disposal



This device must not be disposed of with the regular domestic waste. Always hand in waste electrical and electronic equipment at a communal waste collection place, in compliance with the EU

Compliance



This device meets the basic requirements of the relevant EU directives. The declaration of conformity can be downloaded from www.adhoco.com.