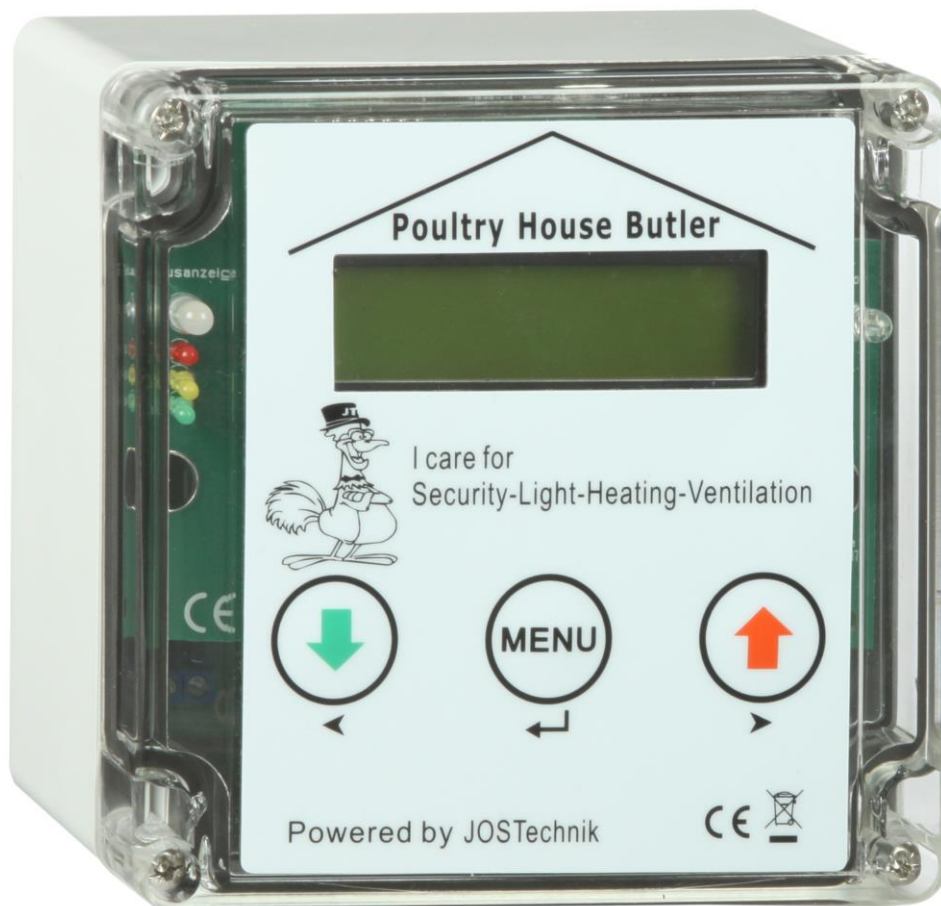


Poultry House Butler

Description and operating instructions



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General description

Poultry House Butler (PHB)

The electronic **PHB** flap actuator from JOSTechnik is a further development on the JT-KS flap actuator, which has been marketed worldwide for many years. It is used for automated opening and closing of sliders to poultry houses. With **PHB**, slides weighing approximately 400 g - max. 2.0 kg can be moved. This can be both the slider from the web shop at www.jost-technik.de as well as existing or self-made sliders. The slider must run smoothly; it must not rub or tilt.

In addition to its function as door opener and shutter, **PHB** offers enhanced options for operating the poultry house. These are explained in the section headed *Extras*.

PHB's range of functions:

- Automatic opening/closing of the door
- Control of dimmer and/or integrated timer
- Automatic opening at low outside temperature can be prevented/delayed by means of an adjustable parameter
- Manual operation with membrane keys on the housing (▲ and ▼ keys)
- The closing point is reached without a limit switch for controlling the speed
- Safety function to check if there are birds that get in the way of the slider (an interrupted shutdown process is repeated)
- Integrated remote display of the door status with multi-coloured LED
- Remote control with optional radio remote control is possible
- Mounting inside or outside the poultry house is an option
- Use of self-closing doors is an option

The **PHB** always operates in automatic mode. Manual operation is an option (see section headed *Manual Operation*).

The **PHB** works with 12 VDC. An appropriate power outlet for connection to the 230V network can be supplied. The **PHB** has IP65 protection and can therefore be installed outdoors without further protection. The plug-in power supply must, **in any case**, be connected indoors as this does not have an equivalent degree of protection.

Opening the device is *usually* not required. The keys are accessible from the outside. The remote display and display are clearly visible through the transparent housing.

The function can be enhanced with optional modules (see section headed *Optional Modules*). The device is configured in such a way that little adjustment is required when it is used only as a flap actuator.

Extras

The **PHB** has been enhanced with features offering additional value for managing small livestock. The unit contains an integrated light and temperature sensor. The internal

timer is used to set the time/date. The menu is set to an illuminated display, which is also used for the status display.

The timer automatically switches between summer and winter time and has automatic weekday function.

*The **PHB** has the following additional features: (Additional connection modules required):*

Heating:

- The internal temperature of the poultry house can be controlled at a low internal temperature using an electric heater/heat lamp
- Heating of drinking water

Fan operation:

- The temperature of the poultry house can be controlled in the summer by means of a fan/ventilator when indoor temperatures are high.

Lighting:

- The duration of the daylight can be extended. When dusk begins to fall, the chickens are lured in to the poultry house by the light (no dimmer function)

The heating/ventilation/lighting functions are purely automatic functions and cannot be performed manually. The switch-on/switch-off temperature and lighting duration are adjustable. The heating/ventilation functions are monitored internally. If the desired switch-off temperature is not reached, a **safety shutdown** triggers with an error display. An automatic restart is prevented.

The **PHB** can be paired with the **Poultry Light Manager mini (PLMmini)**, which provides sunrise and sunset simulation (dimming function). The adjustment and control of **PLMmini** is then done using the existing **PHB** sensors.

Optional Modules

Different optional modules are required depending on the configuration and any desired additional functions.

Possible modules:

- Connection module JT-Rel-HL-2 for connection of Heaters / Heat Lamps, electric Fans, Lighting

(A connection module is required for each function)

These modules connect the **PHB**, which is supplied internally with 12 VDC to 230V ~ devices. External devices that can be operated with 12VDC (for example, fans) must also be connected via connection modules, as the **PHB** does not have the necessary power (see section headed *Technical Data*).

! **Note that connecting devices with 230 V AC, such as heaters, fans, ventilators, lamps and fluorescent lamps must only be carried out by trained personnel.**

- external sensors to: Brightness LS (JT-LS-SFH)
Temperature TS (JT-TS)
Limit switches ES (JT-ES)
- Radio remote control with 2 keys JT-FB
- Lighting control Poultry Light Manager mini (JT-PLMmini)
- Connection module for connection to smart-home systems (planned and prepared)
- Connection module for mobile app control (planned and prepared)
- Sunrise for mains-independent power supply of the flap actuator with 12 VDC (JT-S-Set)

You can easily retrofit optional modules yourself, special knowledge is *not* required. All necessary connections are available as plug-in or screw connections. Where to find the module connection can be found in the section headed *Installation Guide*.

For additional modules / sensors that you order later, you must insert cable ducts into the housing. Use a **Ø 7 mm** drill bit for this. Then insert the cable duct into the hole. To connect the solar set you need a **Ø 10 mm** hole.

Caution: Do not damage the components that are behind it!
Preferably drill with a depth collar.

For retrofitting, always open the housing. Disconnect the power first. Once you have connected the modules, sensors or connection cables, close the housing and reconnect the power supply.

Mounting instructions

Poultry House Butler

! Before activating the electronic flap actuator, the actuator must be mounted in accordance with the assembly instructions, and connected to the chicken door. Activating without the door attached will cause malfunctions.

- **Please read this operating instructions thoroughly to ensure that you make the most of the Poultry House Butler.**

When you open the device, make sure that the cover with the membrane keypad is connected to the upper circuit board via the ribbon cable.

Open the housing. Connect the power to the 12 V terminal (**red** to **+**, black to **-**). If you have purchased an external light and/or temperature sensor or remote control, you must also connect them (see *Optional Modules* section). Also note the polarity here. Connect the other signal lines depending on the desired functions. Then you can close the housing and tighten the 4 screws using light pressure. Now install the chicken door and connect it to the PHB.

Please note the following:

The aluminium nut of the flap actuator must be located directly on the housing (cord rolled up). Attach **a separate cord here (not included in the delivery)**. Slide the door to open position, then connect the separate cord with the door open.

Optional Modules

Connect the JT-Rel-HL2 connection modules near the external devices, such as heater/heat lamp, fan and/or light source. Connect the terminal strips on the PHB using the 2x0,25mm² control cable to the KL3 terminals on the connection modules. Be aware of the polarity.

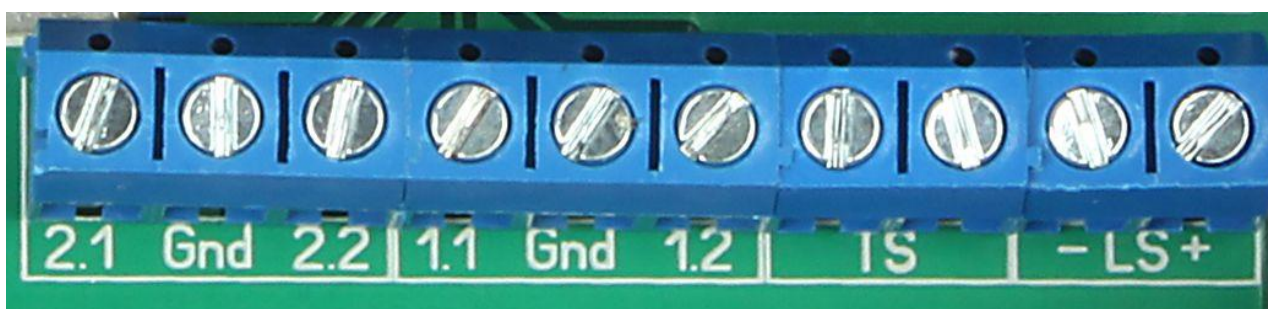


Illustration 1: Terminal strip PHB



Illustration 2: Connecting Module JT-Rel HL to PHB

Optional Modules	in Poultry House Butler	in JT-Rel-HL2 clamp KL3
Limit switches	on clamp 2.1 and Gnd	is not necessary
Lighting	on clamp 2.2 and Gnd	-Pol is connected to Gnd in the PHB
Fan	on terminal 1.1 and Gnd	-Pol is connected to Gnd in the PHB
Heater	on terminal 1.2 and Gnd	-Pol is connected to Gnd in the PHB
		Note
External remote display	on clamp 1.1 /Gnd / 1.2	Green/white/brown
Remote light sensor	on clamp - LS +	White on - / Brown on +
External temperature sensor	on clamp TS	The colour is irrelevant
Radio remote control	Socket connector on display	
Extra accessories		for Poultry Light Manager mini
Poultry Light Manager mini (PLM mini)	Terminal 1.1 Gnd Terminal 1.2	Rx Gnd Tx

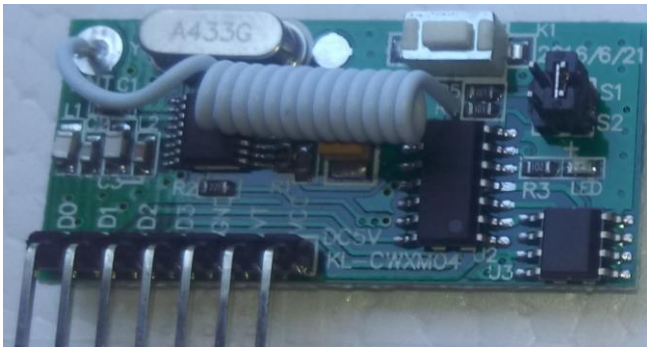


Illustration 3: Radio receiver

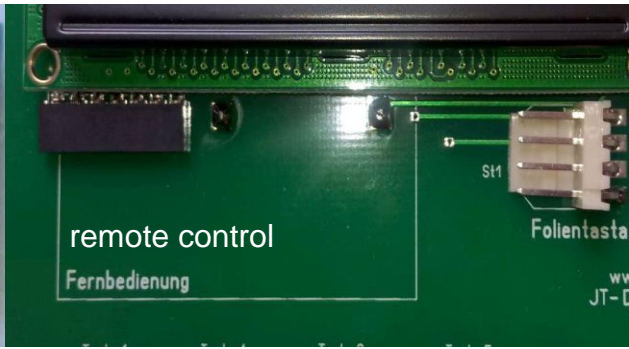
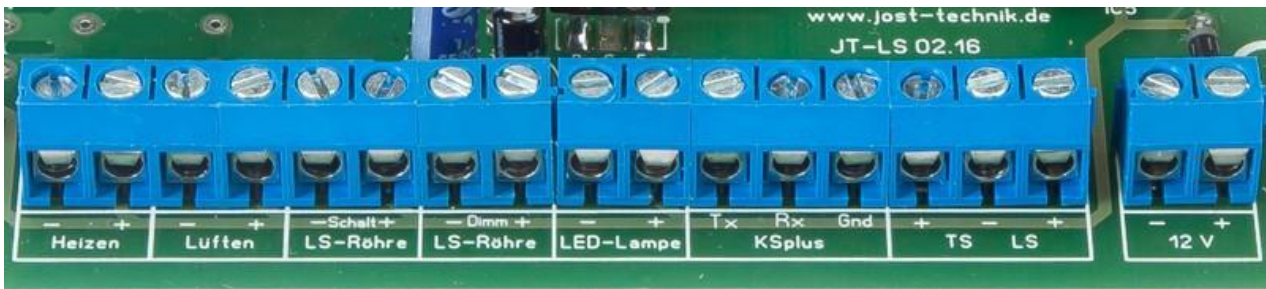


Illustration 4: Connector to radio receiver

The radio remote control receiver is simply connected to the socket connector on the upper circuit board (display device).



-change+ -dim+ - +
 Heating Ventilation LS-Tube LS-Tube LED-Lamp

Install **PLMmini** immediately next to **PHB** to keep the connecting cable (3x0,25mm²) between the devices as short as possible. Connect the cable to both devices as described above. For further information, refer to the separate operating instructions for the **PLMmini**.

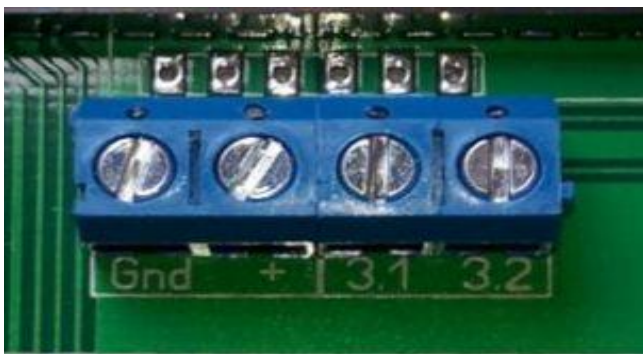


Illustration 5: Connection terminals for smart-home connection module

To connect the smart-home connector read the separate operating instructions **JT-SM-A**.

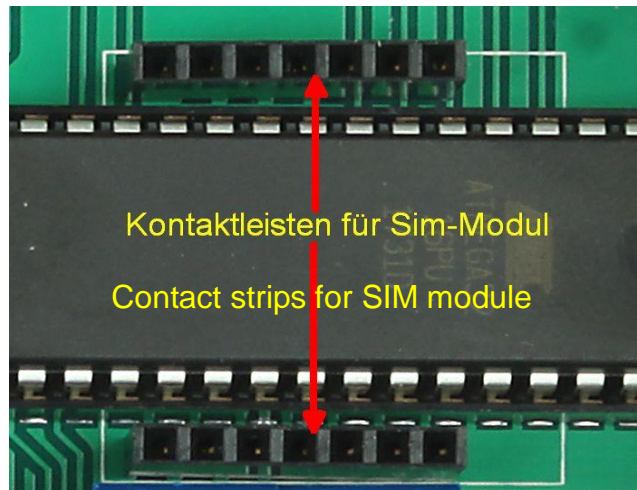
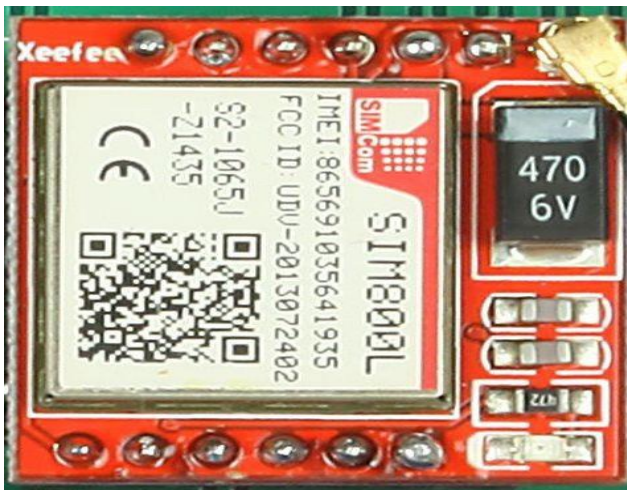


Illustration 6: Connector to sim module

The mobile radio module is only connected, other connections are not required. To operate read the **JT-SIM** operating instructions.

Operating the menus

General structure

The icons on the screen have the following meanings:

	Indoor Temperature		Outdoor temperature
	Door status open (OPEN)		Fold status close (CLOSED)
	Light sensor has registered "Dark"		Light sensor has registered "Light"
	Switch on		Switch off

The menu has two lines. Line 1 shows the command keys (<>) and menu text (setting parameter). If the text length exceeds the width of the screen, the text scrolls as scrolling text.

Line 2 shows the corresponding parameter value and is used to change the settings.

Key < leads to the previous menu item or exits the menu

< **Setting Parameter** >
Sub-menu

Key > leads to the next menu item or exits the menu

Key ↵ leads to the sub-menu item

If you hold the > or < **key** in the menu levels, you scroll automatically through the menu. The choice of menu is made with **Key ↵**. Then you must leave the menu in order for the device to return to normal operating mode, otherwise none of the **PHB**'s functions can work.

The changed parameters are saved after leaving the menu item and are retained even after a power outage.

Press **key ↵** until the display light is on will open the menu.

The menu is structured and is divided into the following main menu levels:

Flap actuator

Date/time

Extras

Reset

In the sub-menus, the keys have the function described below and always refer to the value below the flashing cursor:

The key >: Increase the parameter

The key <: Reset the parameter to "0" or a default setting

Key ↵: Approval of the changed parameter

Go to the next changeable parameter in the sub-menu

Leave the sub-menu to the next higher menu level

In general:

If there are more parameters that can be changed in sub-menus, the associated function is switched off if the parameter is set to "0" or "Same" values. Exceptions are specified in the corresponding menu item.

In order to avoid erroneous entries, limits are provided for most settings in the control range and cannot be exceeded. For almost all entries, a check is made for the plausibility of the input settings. Holding down the > **key** while changing settings increases or decreases the setting automatically.

Settings and changes

Factory settings

Factory-set parameters and the adjustment range that can be used by you

Operating Parameter/Setting Value	Factory setting	Adjustment range (specified)
Clock/Date		
	Time	Current time
	Date	Current date
Door control		
Switching time open 1	07:03	03:00 – 22:59
	Close 1	19:05
	Open 2	00:00
	Close 2	00:00
Operating Mode Open	+/+	-/-, x/-, x/x, -/x, +/-
	Close	x/x
Brightness setting Open	18 %	15 % - 75 %
	Close	5 %
Temperature to cold	-99 °C	-99 °C - 0 °C
Set the lower end position	No	Automatic
Installation site	Outside	Outside - Inside
Light sensor	Internal	Automatic
Temperature sensor	Internal	Automatic
Extras		
Heat heater - turn on	25 °C	0 °C - 25 °C
	switch off	25 °C
Ventilate Fan - turn on	25 °C	25 °C – 40 °C
	switch off	25 °C
Lighting turn on	with onset of dusk	Not adjustable
	Light duration	0 minutes
PLMmini lamp	LED	LED, LS-Tubes
	Sunrise	05:00
		04:00 – 08:00

Operating Parameter/Setting Value	Factory setting	Adjustment range (specified)
Night rest	20:00	19:00 – 23:00
Remote	Turned off	Turn off, Ext. display, Sim, Smart
Language	English	German, English, French, Dutch

Main menu "Flap actuator"

Sub-menu Timer 1 or Timer 2

Setting times for *automatic* opening (▲) / closure (▼) of the door. Setting is limited to between 3:00 and 22:59.

You can optionally:

- | | | |
|-----------------------|--------------------------------|-----------------------------------|
| 1. Only use timer 1 | Daily | no restriction in choice of times |
| 2. Use Timers 1 and 2 | SZ1 Mon – Fri
SZ2 Sat – Sun | |
| 3. Use Timers 1 and 2 | Daily | SZ1-▼ must be before SZ2-▲ |

< **Timer 1** >
▲ 7:03 ▼ 19:05

Example option 1

< **Timer 2** >
▲ 0.00 ▼ 0.00

Daily

< **Timer 1** >
▲ 7:03 ▼ 19:05

Example option 2

< **Timer 2** >
▲ 9:00 ▼ 20:00

both daily

< **Timer 1** >
▲ 7.03 ▼ 10.45

Example option 3

< **Timer 2** >
▲ 16:30 ▼ 18:00

Work days/Weekends

The timing is determined automatically based on the set times. To turn off switching time 2, enter 0:00 for ▲ and ▼.

Time logic (opening before closing, closing 1 before opening 2) is checked when inputting the data. In case of discrepancies, the menu item cannot be left. The cursor is set to the wrong entry position and a correction of the input is expected.

With option 2 (2 switch-on and 2 switch-off times daily), only time-based control is possible. The following *sub-menu* mode is *skipped*, as other operating modes do not make sense here.

Sub-menu mode

< **Mode** >
▲ +/+ ▼ x/x

The operating mode determines the manner in which the door is opened/closed, must be set **separately** for opening and closing, and applies at **all** times.

The following modes are possible:

Operating mode		open/close when	Explanation
0	+/+	Switching time and light sensor setting reached	
1	x/-	Switching time reached	clock operation only
2	-/x	Light sensor setting reached	only light sensor operation
3	x/x	Switching time or light sensor setting reached	
4	-/-	Push-button or remote control operated	manual operation only

Key > scrolls through the operating functions, **key <** is without function.

Example mode 0:

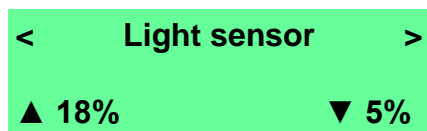
Door opens when it is "bright" but not before the set opening time

Example mode 3:

The door closes when it is "dark" but no later than the set closing time

If you select option 2 in the sub-menu timer, Mode 1 (x / -) is set *internally* and the *sub-menu mode* is skipped.

Sub-menu light sensor



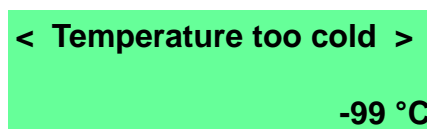
Setting the light sensor threshold settings where the door is opened (▲) or closed (▼).

Note: The smaller the percentage, the darker it is

Key > increases the light settings, **key <** sets the values to the factory settings.

Tip: The default display shows the current light setting. Read this value at desired brightness/nightfall and enter it here.

Sub-menu too cold



On very cold days you can prevent/delay the opening of the door. Below the set temperature, the door remains closed and opens only when the outside temperature is higher even if the switching time is reached and it is sufficiently light.

Key > reduces the temperature, **Key <** switches the function **OFF** (-99 ° C)

Sub-menu Determine end position (door CLOSED)

< Determine the end position > < Determine the end position > < Determine the end position >
 ▼ ▲ Please wait

Due to the structural differences of poultry houses, the path of the door or the slider needs to be determined. The *Determine end position* function is required, so the PHB knows when the door is closed. During initial start-up, this menu item will start automatically.

After a **reset**, where the device is reset to factory settings, the device automatically starts with the menu item *Determine end position*. Otherwise, you should only call up this menu item, if you want to determine the lower end position again because the door has been changed or the device has been mounted in another position (see section headed *Start-up*).

Sub-menu installation site

< Installation site >
 Outside

The specification of the installation site assigns certain parameters to the sensors. An incorrect setting causes erroneous responses in the connected devices.

Key > alternates between "**Inside**" and "**Outside**", **Key <** sets to "**Outside**"

Outside The integrated (light + temperature) sensors measure the values of the environment, they provide no information about the interior of the poultry house. The heating and/or ventilation functions require an **additional external temperature sensor** in the poultry house.

Inside The integrated sensors (light + temperature) measure the values inside the poultry house. They provide no information about the external conditions. An **external light sensor** is required outdoors for the flap actuator/lighting/light control function.
 If you want to use **all features**, you will also need to use **both external** sensors.

Main menu level "Time/Date"

Sub-menu time and date

< Time >
 10:32:00

< Date >
 10:02:18 Tue

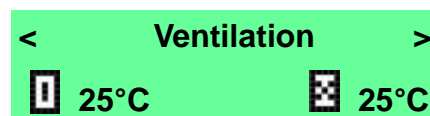
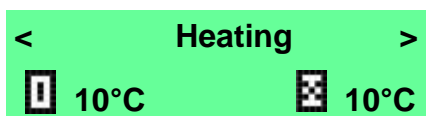
The device comes with the current time and date. If you are in another time zone, the clock will run incorrectly after a change of battery on the motherboard, or if a deviation is detected, you can set the hours and minutes manually. Seconds are set **automatically** after exiting the menu.

When you set the date, the month is set first, and only then can the day be entered. The entry is checked for correctness (different month lengths) based on the month and day of the week. The displayed weekday cannot be changed.

The clock is battery-backed. The time and date are correct even in the event of a power outage.

Main menu level "Extras"

Sub-menu heating or ventilation



At **low** indoor temperatures, the poultry house can be heated with a heater and cooled with a fan at **high** indoor temperatures. The devices turn on when the switch-on temperature is not reached (heating) or is exceeded (ventilation). The devices switch off when the switch-off temperature is reached. Outside this temperature range, the devices remain off.

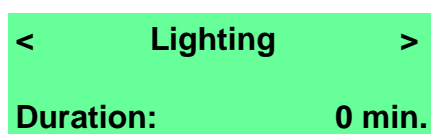
If the temperatures entered are not plausible, the menu will not be exited and the cursor will be set to the front entry position.

If the switch-off temperature is not reached after the pre-set 4-hour **safety time**, the heater/fan is switched off and an error message appears on the remote display. The error message must be checked manually (see section headed *Troubleshooting*). There is no automatic restart.

! The required heat or fan power depends on the size and structural quality of the poultry house and must be assessed by a specialist. If there is too little heating/ventilation, the set switch-off temperature may not be reached and there will be constant heating/ventilation.

Heating and fan operation is only possible with the door closed.

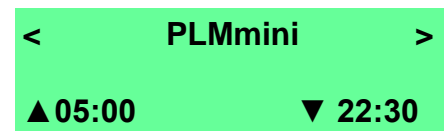
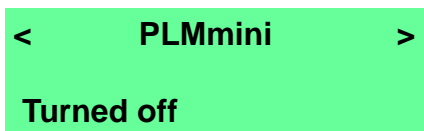
Sub-menu lighting



If you want to illuminate the poultry house in the evening and use the light, for example, to entice your chickens into the poultry house you can enter a lighting duration here. The light switches on automatically just before dark (the light sensor setting closes the door) and then lights for the set time, but for no more than 60 minutes. The lighting *cannot* be switched on/off manually. If the door is already **CLOSED** as dusk begins to fall because it has already been closed by the timer or by hand, the light does *not* turn on.

Key > increases the lighting duration, **Key <** turns the function **OFF** (0 Minutes).

Sub-menus *PLMmini*



Choose whether to control **PLMmini** and what lamps to use.

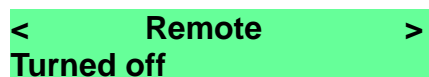
Key > switches between "off", "LED", "LS tube", **key <** sets to off"

If you have not selected "Off", in the next menu item, set the times for the desired sunrise ▲ and for sleep ▼. Dimming starts automatically 30 minutes before sleep. The light switches on automatically just before dark (light sensor setting to close the door).

Setting the timer is similar to setting the timer for the flap actuator.

Operating LED lighting and fluorescent lamps together is not possible.

Sub-menu *remote*



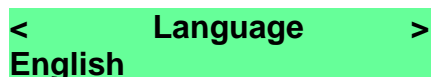
An external remote display can be activated. and integration into a smart-home system or remote control via mobile phone can be selected. Set the menu to "external display". The "heating" and "ventilation" functions are off and are *no* longer available. The remote display indicates the door status at a distance of approx. 30 m. The extremely bright LEDs indicate the following:

Red	Green	Door status
Turned on	Turned off	Open
Turned off	Turned on	Closed
Flashing	Turned off	Open (by hand)
Turned off	Flashing	Turned off (by hand)

Key > Switches between "Off" , "External display", "Sim" and "Smart",
Key < set to "Off"

The shared operation of mobile and smart home is not possible.

Main menu level "Language"

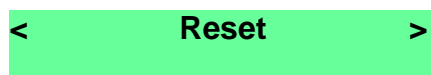


< Language >
English

After selecting a language, all display output is translated into that language.

Key > scrolls through the integrated languages, Press **key <** set "English" as default

Main menu level "Reset"



< Reset >

Key > exits the menu level *without* action and calls up the default view. **Key ↵** sets all values except time and date to the factory settings *without request*. After reset, the device performs a self-test and awaits activation to determine the lower end position (see section headed *Start-up*).

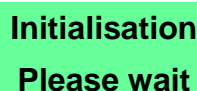
Note:

If you want to reset only the "lower end position", select the option "Determine end position" instead of "Reset" in the "**Flap actuator**" menu.

Start-up and operation

Start-up

After properly installing the **PHB**, plug the plug-in power supply into the wall socket or connect it to the solar power socket. **The PHB** switches on automatically and initially performs a self-test. The LEDs on the internal remote display flash one after another. The display turns on and the initialisation message is displayed.



Initialisation
Please wait

The engine starts, the door is pulled up to the stop collar, so the traction is relieved by a few millimetres. The display light turns off.
Initialisation is complete.

You will be prompted to start up the device for the first time.

< **Decide end position** >

Key ↵ leads to next phase of the start-up

< **Decide end position** >



Key ▼ starts the process, the engine starts, the door moves downwards.

< **Decide end position** >



If the door reaches the lower end of the track and gets stuck, then press the ▲ key. The engine stops, the door moves back to the upper stop collar, relieving the pull cable. If you use a self-locking door, press the ▲ key only when the lock is engaged.

When the door returns to the top, the fastening nut has been pulled against the lower edge of the housing and the pull cable has been relieved, start-up has been completed. The display shows the default display of the **PHB**, which switches between the following two views. The device is **ready for operation**.

Mon	10:32	CET	Mon	10:32	CET	Mon	10:32	CET
☐ 19°C	☐ 17°C		☐ 97%	☐ 18%	■ 5%	V 3.X.XXX		▲ ■

Line 1 shows weekday, current time and time zone CET/CEST (normal/summer) and updates every second.

Line 2 shows the following changes:

1. Current temperature in the poultry house
current temperature outside the poultry house
2. Current setting of the light sensor (brightness)
set value for the door open
set value for the door closed
3. installed software version
last command from the timer
current status of the light sensor

If no external temperature sensor is connected, the associated temperature display will remain **permanently** at -71 ° C for technical reasons.

Without changes to factory defaults (see section headed *Factory settings*), the device operates with the following settings:

Mounting outside	The integrated light sensor is used	
Open door	Daily at 07:03 and when there is light outside	(Mode 0 +/-)
Close door	Daily at 19:05 or when it is already dark	(Mode 3 x/x)

All other functions are switched off. Alternatively, you can operate the door with the **keys** ▲ and ▼ or the optional radio remote control. If you want to use other times, operating modes or extras, set these in the menu (see section headed *Settings and Changes*).

To view the current temperature and light sensor settings, turn on the display illumination by pressing the **keys** ▲ + ▼ simultaneously. The display will automatically turn off after a while.

Automatic operation

The device is designed for automatic operation and opens and closes the door in accordance with the set operating mode. Interventions in the automated procedure are required only if you wish to deviate from standard usage, e.g. closing the poultry house by the hour for cleaning or opening it manually to put a stray bird into the poultry house.

The auto mode is interrupted without "outside" intervention only on the occurrence of errors signalled on the remote display. Actions interrupted by malfunctions are not restarted automatically and always require the intervention of the user (see section headed *Remote Display*).

Manual operation

Each press of key ▼, ▲ or the optional remote control will exit automatic mode and will not cause any further automatic opening/closing until manual operation is complete. Manual mode is indicated by flashing LED1 (door status) on the remote display (see section headed *Remote Display*). If the flashing is replaced by continuous light, the door returns to the automatic mode, which is, for example, triggered by completing the opposite keystroke.

Explanation:

For example, if the **auto-closed** door is opened **manually** in the evening, it stays **on** until **the door is again manually closed**.

If you set mode 4 (-/-) for morning **and** evening in the "*Mode*" sub-menu, the device is in "**Permanent manual mode**". The door can only be opened and closed manually. LED1 flashes in the respective door status (see section headed *Remote Display*). You can therefore also comply with the statutory requirements governing poultry houses.

If you set mode 4 (-/-) for the morning **or** evening in the "*Mode*" sub-menu, the device is in "**semi-automatic mode**", as only the manual operation assigned to that area is performed here. You can see this by the fact that while the manual control key is pressed, the status

of the door is indicated by the light of the LED1 being constantly on. If you do not press the manual control key within the set time, the device remains in its current state (i.e. always open or closed).

- !** For safety reasons, the door closes automatically at 23:00, regardless of light sensor, timer, manual or automatic operation. Thereafter, control is again in automatic mode.
- After 23:00 the door can no longer open automatically.

Remote display

Most functions of the **PHB** are indicated by the internal remote display using LEDs. In order to spot errors from a distance, these are mainly displayed here.



Illustration 4. int. remote display

LED 1 Status of door **CLOSED** - **OPEN**




LED 2 Status of heater

LED 3 Status of fan

LED 4 Status of lighting

Display	Illuminated image	Meaning
LED 1	Constant light green	Door CLOSED
	Constant light red	Door OPEN
	Flashing green	Door CLOSED by hand (manual operation)
	Flashing red	Door OPENED by hand (manual operation)
LED 1 + LED 4	(2) Flashing green + green	Installation inside, no external light sensor available
LED 2	Constant light red	The heater is ON – switch-off temperature has not yet been reached
	Off red	The heater is OFF or not activated
LED 3	Constant light yellow	Fan is ON - The switch-off temperature has not yet been reached
	OFF Yellow	Fan is OFF or deactivated

Display	Illuminated image	Meaning
LED 2 + LED 3	(3) Flashing red + yellow	The heater/fan is off Safety shutdown is triggered Switch-off temperature not reached
LED 4	Constant light green Off green	Lighting is ON The lighting is OFF or not activated

Key:  = Information  = Error  = Status

Troubleshooting and maintenance

- (1) *The door is not closed properly*
 - Check the smooth movement of the slider in the guide rails. The slider must not tilt or rub
 - Check for dirt, ice, etc., in the guide rails, and clean if necessary
- (2) *Installation inside, no external light sensor available*
 - Order separate light sensor and connect as described
- (3) *There is a safety shutdown. The connected device has not reached the desired switch-off temperature*
 - The thermal quality of the poultry house is probably not sufficient to reach the switch-off temperature using the connected heating/cooling capacity.
Menu **Extras - Heating** and **ventilation**: Changing temperatures
or
increasing heating/fan power (**CAUTION!** Comply with maximum connected load)
- (4.1) *Heating or ventilation does not work (LED 2/3 are off)*
 - Menu **Extras - Heating** and **Ventilation**: Values for switching the temperature on and off do not differ
 - The door is not closed (LED 1 shows RED - Constant light or flashing)
- (4.2) *Heating and/or ventilation do not work (LED 2/3 is on)*
 - Check the connection of the connection modules for heaters or fans to the control unit and
check that the devices are properly connected to the connection module
- (5.1) *Lighting does not work (LED 4 is off)*
 - Menu **Extras - Lighting**: No lighting duration set
 - Pre-set darkness is not yet reached, switch-on setting for the lighting is directly connected to the light sensor setting for closing the door
 - Door was already closed before onset of dusk.
- (5.2) *Lighting does not work (LED 4 is on)*
 - Check the connection of the light-emitting module to the control unit and ensure that the light is correctly connected to the connection module

It still does not work. What now?

First call the service department (you will find the phone number on the invoice/delivery note). Have your invoice ready and a list of the set values (Form User Options in the *Appendix*). Before making a call, please note the following questions:

- What is not working?
- what have I already tried?

If you wish to send the device to the service department to be checked/repared, please note the following:

- Send the **device as a simple package**.
- Please attach a copy of your invoice/delivery note.
- Write a short description of what is not working and what you have already tried.
- Please enter a telephone number that we can call you back on and an e-mail address we can use to contact you if needs be.

This ensures that any inspection/repair work is carried out quickly and we can return your device to you promptly.

If the inspection/repair work is charged (for example, outside of the warranty period), you will be given a quote before any work is carried out. Your device will be repaired only after you have accepted the quote.

Please note! Without proof of purchase, your warranty is not valid.

Technical data

Data

Designation	Poultry House Butler (PHB)
Connection	230 V~ 1,0 A via power socket on 12 VDC internal
Power consumption	ca. 20 mA (only PHB), ca. 100 mA incl. extra modules
Current carrying capacity outputs	Max. 20 mA per output, max. 500 mA over all outputs
inner cable length	ca. 1.25 m
Min. door weight	ca. 400 g
Max. door weight	ca. 2000 g (Optional upgrade with new orders up to 3000 g possible)
Size (W x L x H)	120 x 120 x 60 mm
Weight (without door)	ca. 300 g
WEEE-Reg.--No.	DE58973207

Disposal

Sales packaging is packaging generated by the end user (§ 3, paragraph 1, no. 2 Packaging Regulations). Manufacturers or distributors of the products are required to either return the packaging waste to the store or to the immediate vicinity free of charge (section 6, paragraph 1) or participate in an across-the-board scheme that collects the packaging waste from the private end user or nearby (so-called dual schemes).

Reporting requirement in accordance with the battery directive

In connection with the sale of batteries or the delivery of devices containing batteries, we are required to inform you of the following:

You are legally required to return used batteries as the end user. You can return used batteries, which we stock or have stocked as new batteries in our collection free of charge to our shipping warehouse (shipping address). The symbols on the batteries have the following meanings:

The symbol of the crossed-out wheelie bin means that the battery must not be disposed of with household waste.

Pb = The battery contains more than 0.004% by weight of lead.

Cd = The battery contains more than 0.002% by weight of cadmium.

Hg = The battery contains more than 0.0005% by weight of mercury.

WEEE guideline 2002/96/EC

Electrical and electronic equipment must not be disposed of with household waste in accordance with the European WEEE Directive. Your components must be recycled separately or disposed of separately as toxic and hazardous components, if not disposed of properly, can cause permanent damage to the environment. As a consumer, under the German Electrical and Electronic Equipment Act (ElektroG) you are required to return electrical and electronic equipment at the end of its service life to the manufacturer, point of sale or public collection sites set up for this purpose at no charge.

Information about this is governed by the respective national legislation. The symbol on the product, operating instructions and/or the packaging indicate these terms.

WEEE-Reg.--No.: DE58973207



Declaration of conformity

EC declaration of conformity in accordance with EC Machinery Directive 2006/42/EC of 17 May 2006, Annex II A

We hereby declare that the design and construction described below, as well as in the version we have marketed, comply with the essential health and safety requirements of EC Directive 2006/42/EC.

In case of any change made to the device that has not been agreed with us, this declaration will be void.

Manufacturer/Authorised representative:

Jost-Technik owner Ilka Jost

Martha-Brauttsch-Str. 26a, D- 04838 Doberschütz Tel.: +49(0)34244/59566

Description of the machine:

- Function: Flap actuator • Type/Model: Poultry House Butler (JT-PHB)
- Serial number: 3.5 • Year of manufacture: 2018

Conformity with other directives/regulations, which also apply to the product, is also declared:

- EC - EMC-Directive (2004/108/EC) of 15 December 2004
- EC - Low Voltage Directive (2006/95/EC) of 27 December 2006

Authorised representative for compiling the technical documentation:

Gerd Jost Martha-Brauttsch-Str. 26a D-04838 Doberschütz

Doberschütz 10.02.2018 Ilka Jost JOSTechnik

Attachment

Printed form User settings

Parameters		Set value	
Installation site	Inside	Outside	
Switching time 1	Open	Close	
Switching time 2	Open	Close	
Mode morning/evening	Open	Close	
Light sensor	Open	Close	
Temperature too cold in °C			
Limit switch	No	Yes	
Heat	Turn on	Turn off	
Ventilate	Turn on	Turn off	
Lighting in minutes			
PLMmini	Sunrise	Night rest	
Lamps	TURN OFF	LED	LS tube

Changes, additions, and extensions