11 SETTING / PROGRAMMING

11.1 GENERAL:

In chapter "Operation", we have described the basic features. For daily operation of the petWALK pet door this will be sufficient. We tried to set the pet door ex works in a way that a convenient operation is possible.

But of course you have the option to customize your petWALK pet door to your specific requirements. The next chapters describe the settings on the pet door step by step.

11.2 BASIC SETTINGS OF THE PET DOOR

11.2.1 SETTING OF TIME

We have set the time for you. So for the first implementing, the time should be set correctly. Nevertheless, it may be necessary to correct the time (e.g. switch to standard time). In setup mode, you also have the option of choosing between 12 and 24-hours display.

By pressing the *Setup* button again you change to setup mode. Now all the symbols on the display will flash green. The pet door is in the setup mode now.

Press the *Time Program* button . The display is as shown below.

When using the *Up* and *Down* buttons you can now switch between 12 or 24-hours display.

If you have set the desired display mode, press *OK*. The display automatically jumps to the hour.

Now you can adjust the hour with the *Up* and *Down* keys. Use the *OK* button to change the minutes setting. The shown minute can be set in the same way.

SETUP

Press the *OK* button to save the new time setting confirmed by a beep tone. The display will return (as shown above) to the setting mode.

You leave the setting mode by pressing the *OK* button, or by pressing the *Setup* button or by pressing the *Operating Mode* button.

You can cancel the time setting at any time without saving the new value. You do this by pressing the *Setup* button.

11.2.2 SETTING OF OPENING TIME

The petWALK pet door also offers you the option to set the opening times according to your needs. As long as the pet door detects motion in its environment, it will not close. Thus, the safety of your pet is always guaranteed.

The opening time is defined as the time period between the last detected movement and the door starting to close. So you can determine the best compromise between comfortable passage time for your pet and the least possible loss of energy in the house.

To adjust the opening time of the petWALK pet door, press the *Setup* button. The green flash in the display indicates that the controller is in setup mode.

Press the *Manual door opener button*. The display shows:

The image 02 on the display shows you the opening time in seconds after the last motion was detected. You can vary this value by using the *Up* button and *Down* button from 2 to 99. Use the *OK* button to save this value and it automatically takes you to the menu for setting the *range of the motion sensor*, which will be explained in the corresponding chapter. For now, you confirm with the *OK* button for several times until you get back to the setting (display blinks green).

You leave this setting by pressing the *OK* button or by pressing the *Setup* button or by pressing the *Operating Mode* button.

NOTE!

To get your pet used to the door, we recommend adjusting the opening time a bit longer at the beginning. Once your pet is familiar with the petWALK pet door, reduce this time frame in order to prevent heat loss in your home and to reduce risk of uninvited guests following your pet by leaving the door open longer than necessary.

11.2.3 SETTING OF RANGE OF MOTION SENSORS

We have tried to set an optimal range for the internal and external motion sensor in the factory settings. Since we were aware, that a general solution will not necessarily be optimal for your special needs, the range of the motion sensor of the petWALK pet door is independently adjustable inside and outside.

To set the motion sensor, you change to setup mode by pressing the *Setup* button in the setup mode. Pressing the *manual door opener* button will take you again, as described in the previous chapter, to the mode for *changing the door parameters*. The display shows:

Press the *OK* button to enter the mode for adjustment of the internal motion sensor.

As seen in the figure above this is indicated by a flashing *Exit Control* symbol on the display. The range of values can be varied from 01 to 99 with the *Up* and *Down* button. The value 99 means the largest possible range here; the value 01 means the lowest range.

Use the *OK* button to save the value and move automatically to the setting of the outer range.

This state is signalled by a flashing *Entrance Control* symbol. You can now perform your desired change in the same way as for the exit control.

Press the *OK* button to save your changes and you are back to the setup mode. You can leave the setup mode again by pressing the *OK* button or by pressing the *Setup* button or by pressing the *Operating Mode* button.

	NOTE!	To get your pet used to the door we recommend adjusting the range a little wider on the outside and inside. Once your pet gets familiar to the petWALK pet door, you can prevent that the door is accidentally opened when passing by reducing the range.
	NOTE!	The range of the sensors can be influenced by external factors such as humidity, temperature, and objects and may need to be readjusted. The external sensor looks straight through the lower door gap, the inner sensor obliquely downwards in the gap between the display and the door leaf. Animals are only recognized within sight of the sensor (cone).

11.2.4 SETTING OF TONE VOLUME

The volume of all info and warning tones can be adjusted in 6 steps from 0 (silent) to 5 (high).

Proceed by pressing the *Setup* button in the setting mode. Now all the symbols on the display will flash green. The pet door is in setting mode.

By pressing the buttons *Up* and *Down* you can change the volume.

The display now shows the volume level (eg 04). Acoustically, you hear a beep at the indicated volume level “4”.

When you have reached the desired level, confirm with the *OK* button. The display jumps to the operating state, as set before the volume setting. The newly set volume is saved.

To end the volume setting without saving the new value, you can cancel this operation at any time, by pressing the *Setup* button.

If no key is pressed in this mode, the door assumes that you have no interest in a volume change and changes again (without storing a new value) to its original operating state.

11.2.5 SETTING OF DOOR FRAME ILLUMINATION

In the entrance area we have installed a light for our pets, which (if the pet door is open) illuminates during the opening times. You can also adjust the brightness according to your needs in 6 steps from 0 through 5. Ex works the maximum brightness is set (value 5).

To reach the setting mode of the petWALK pet door, press the Setup button twice rapidly (double-click).

The display looks like this:

When using the *Up* and *Down* buttons in the settings menu you can scroll down to "*LIGH*" at the display.

Now press the *OK* button to confirm the brightness mode. The display shows the currently set brightness to you. The entrance light is lit with the appropriate brightness. Now you can use the buttons *Up* and *Down* to find the brightness you desire. The entrance light will shine in the appropriate brightness.

When you have chosen the appropiate birthness you can store it by means of the *OK* button. From now on the entrance area will be lit in the now set brightness.

You leave the setting mode by pressing the *Setup* button or by pressing the *Operating Mode* button.

11.2.6 SETTING OF DOOR OPENING ANGLE

Ex works, the opening angle of the petWALK pet door is set at about 90 degrees. During your installation it may happen, however, that you want to adjust this angle. Of course this is also possible at our door by means of *learning mode*.

In this learning mode the door opens until an obstacle blocks it. The program will remember this value and the next time will open only until shortly before this value (former obstacle). Of course, you have the option to correct this "learned" value manually.

This learning mode is accessed by quickly pressing the *Setup* button twice. The display looks like this:

Now press the *Up* and *Down* buttons until *door* is shown on the display:

With the *OK* button you start the learning cycle of the door. The display shows *run*:

After the completion of the learning cycle, the display shows a numerical value:

The indicated numerical value is a measurement for the opening angle. By pressing the Up and Down buttons you now have the option to increase (door leaf opening wider) or decrease (the door leaf will open less wide) this value.

With the *OK* button this value is stored and by pressing the *Operating Mode* button, you enter the operating state from which you started to set the opening angle. In the future, the door opens only to the previously set value.

NOTE!

In the learning mode, your door saves a slightly lower angle than the angle when detecting an obstacle. As a result, it will not touch the obstacle when it opens the next time. So a readjustment of the door will not be necessary.

NOTE!

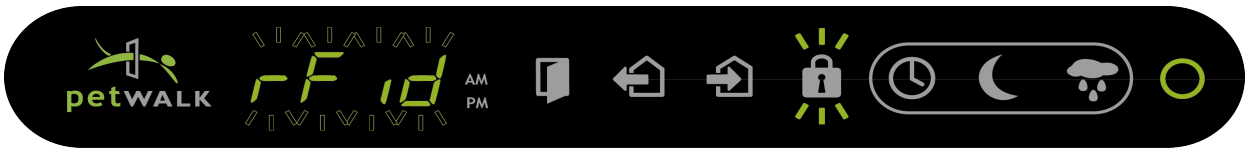
Over time, the opening angle of the door may change due to various external influences. This is usually no error. You should check the opening angle from time to time and re-adjust it if necessary as described above.

11.2.7 BASIC RFID SETTINGS

You can set the RFID operation to be active for both sides or only for either the outside or the inside. If RFID is disabled the door will operate on standard movement detection mode for this particular side. By default the petWALK animal door is set to use RFID control for both sides if access control is activated.

If you want to change the default settings, quickly press the *Setup* button twice. The display looks like this.

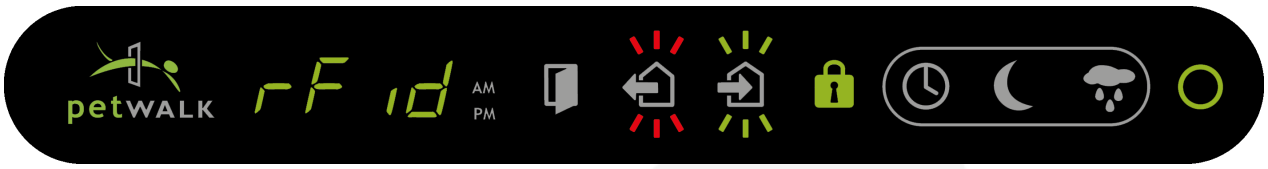
Now press the *Up* and *Down* buttons until *rFid* is shown on the display:



With the *OK* button you access RFID configuration. The display shows *run*:

The symbols for *Exit Control* and *Entrance Control* will blink green, indicating that activated access control will work in both directions (Default configuration)

In pressing the key *Access* Control you can disable RFID access control for any direction. A blinking red light means that for this side access control is disabled, a green flashing light means it is activated.



In this example it means that RFID control will be only active for the outside once *Access* Control is activated. On the inside the door will operate on movement control.

	NOTE!	This mode is also useful if there is a risk that a foreign animal might unintentionally follow your pet into the house. That way this animal may leave the house again.

SETUP

This setup means that RFID access control only works on the inside. On the outside the door opens by movement sensor.

Once you have set up the desired mode please store the configuration by pressing the OK key.

You leave the setup mode by pressing the *Setup* button or the *Operating Mode* button.

11.3 BASIC FUNCTIONS

11.3.1 MOTION DETECTION AT THE PET DOOR

If your petWALK pet door is in operation, although no function has been activated, you can notice identified movements on the inside or outside directly on the display.

Movement on the inner side is detected:

Movement on the outer side is detected:

Recognized movements are displayed in the same way in all operating conditions.

11.3.2 MOTION DETECTION WITH ACTIVE ACCESS CONTROL (RFID)

If your petWALK pet door is in operation and *Access Control* is enabled, recognized and previously registered pets are shown on the display, even if no additional function has been activated.

Below you can see a picture of the display. There you see a previously detected pet, registered at position 02, on the inside of the pet door:

SETUP

The same pet is recognized on the outside:

The recognized pet is displayed in the same way in all other operating modes.

11.3.3 MANUAL CLOSING AND OPENING OF THE PET DOOR

During normal operation the pet door is opened via the motion sensor - or with the appropriate setting via the access control. Of course you have the option to comfortably use remote control to manually open and close the petWALK pet door again.

Just press *door manual door opener* button. During the opening process of the door the corresponding display symbol ( ) lights in green.

By pressing the *manual door opener* button again, the pet door closes again.
It is possible to do this manual opening of the pet door animal in each operating state.

NOTE!

If you open the door manually and subsequently forget to close it again, the pet door will close automatically after about 30 minutes. So you can always be sure the pet door will never remain open when you leave home.

11.4 PROGRAMMING OF SINGLE FUNCTIONS

11.4.1 PROGRAMMING OF ACCESS TIMES

Using this function, you can specify when and how long your pets are allowed to leave home.

You must specify

- the starting time and
- the end time

to choose when your pets are allowed to go outside. Since you separately specify starting and end time for the IN and OUT direction, you also have the option to set different times for it.

NOTE!

By setting different access times for the direction OUT and IN, you can force your pet to stay outside for a certain amount of time.

If you have many pets, you can e.g. automatically prevent your young kittens to get outside in the evening, while you are waiting for your home coming straying cat.

If you have set the time window for getting "IN and OUT" as described in the following chapters, you can activate the door control at specified times by pressing the button time program .

The display shows the following information:

The petWALK pet door is now controlled by motion detection. If the current time is in the selected time window, the symbol turns green. If the current time is outside the time window, the symbol turns red.

In the display below, the current time is not within the time frame allowed for GETTING OUT, so it is prohibited. Because the current time is within the time window for GETTING IN, the pet is able to get in at this time.

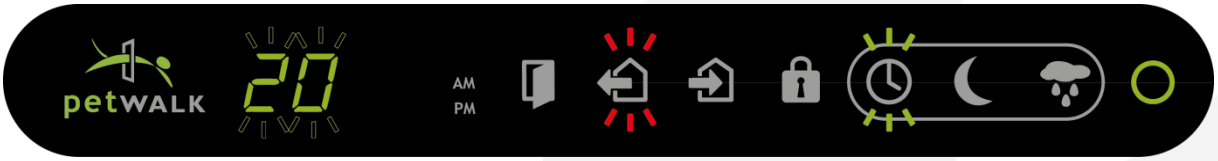
11.4.2 PROGRAMMING OF EXIT TIMES

For adjusting the time, when your pet is allowed to get outside, press the *Setup* button on your remote control. As a confirmation of being in the setup mode all the symbols on the display are flashing green.

By pressing the *Exit Control* button you enter the setting mode of the time from when your pet is allowed to leave the house. Using the *Up* and *Down* buttons, you can change the hours as you like. Next to the hours currently set the green flashing symbol *Exit Control* is shown and the green flashing symbol Time Program are shown as in the picture below.

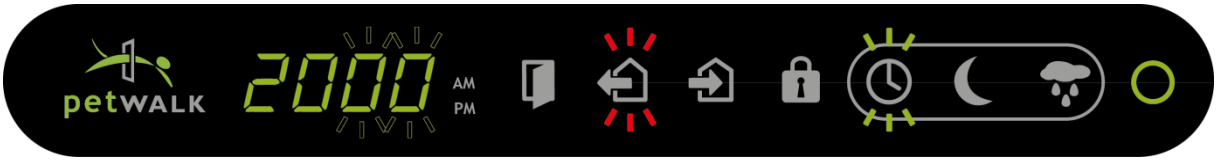
After setting the correct hour, confirm it with the *OK* button. The display changes to the of the minutes setting. The minute value is set in the same way.

After reaching the desired minute value, confirm with the *OK* button and you will automatically be lead to the programming of the end time of the exit, as indicated by the red flashing exit control symbol.



SETUP

The end of the exit time is determined in the same manner.



After setting times as desired, confirm the setting of the exit period with the *OK* button. Now the time span, when your pets are allowed to leave your home, is stored and you are back to the setup mode. You can leave the setup mode by pressing the *OK* button or by pressing the *Setup* button or by pressing the *Operating Mode* button.

This setup dialogue can be interrupted at any time by pressing the *Setup* button or the *Operating Mode* button - the so far changed values will not be saved.

11.4.3 PROGRAMMING OF ENTRY TIMES

The programming of the time frame your pet is allowed to get IN, is performed in a similar manner. Press the *Setup* button on the remote control to return to the setting mode. The display shows all the symbols in flashing green.

Pressing the *Entrance Control* button takes you to the setting of the time, when your pet is allowed to return to your home. This is evident by the green flashing *Entrance Control* symbol on the display. Now you can again specify the times, as described above, when your pets are allowed to get inside.

Below you can see the corresponding display images:

If this period is adjusted as desired, confirm the settings with *OK* OK. Now the time period, in which your pets can come back into the house, is stored and you are in setup mode again. You can exit by pressing the *OK* OK button or by pressing the *Setup* button or by pressing the *Operating Mode* button.
This setup dialogue can be interrupted at any time by pressing the *Setup* button or the *Operating Mode* button – the so far changed values will not be saved.

11.4.4 PROGRAMMING OF DOOR CONTROL BY RFID CHIPS

As described above, the petWALK pet door can also be controlled by RFID transponders, which act as the pet's house keys not matter they are implanted or carried on a collar. If the RFID chip has been programmed, the door just opens, if your pet is in front of the door.

Up to 254 RFID chips (pets) can be registered at a petWALK pet door. In another programming step, you can also determine if the time program shall apply to the appropriate pet, or this particular pet is always or never allowed to open the door.

NOTE!	Even if your pet is micro chipped, you should use the supplied chip first to get your pet used to this process. If your pet gets used to it and is no longer afraid to get near to the pet door, you may switch to use the implanted chip.

NOTE!	We have no control on the quality of the chips implanted by a veterinarian and also on the area of implantation. Therefore, it is possible that the pet door just starts reacting, when your pet is already very close to it. Experience shows that pets quickly understand how they can pass.

11.4.4.1 REGISTER AN RFID CHIP

In the first step, a RFID tag or the implanted RFID chip must be registered at the petWALK pet door.

Press the *Setup* button on your remote control to get from any operating mode to the setup mode. The display indicates this mode, in the way shown below:

All display elements are flashing green.

Now press the *Access Control* button.

The symbol *Access Control* will flash in orange on the display. Instead of the time, the first free space to register the chip is displayed. In our example, this is the place 2, as shown below:

If you press the *OK* button, the pet door is ready to register the transponder. The door shows the position of the new space for registering the RFID chip and the *P* for programming indicates that programing is ready. The display shows the following information:

Now move the chip or the animal with the chip about 10-20 cm in front of the door. A beep will confirm successful registration. The P disappears on the display and the number on the display is increased by 1 (shows the next free space). From now on the petWALK pet door will always recognize your pet and show with the number 02 as soon as it is near the pet door.

By pressing the *Setup* button twice you exit the programming mode, and you are back to the operating state, from which you have started the program.

11.4.4.2 DOOR CONTROL BY RFID CHIP

By pressing the *Access Control* button, the pet door control switches to the appropriate mode.

In the example below we assume that no program is active and access and exit are allowed without restrictions.

Only your pet (chipped or wearing a collar tag) is allowed to get in or out.

By pressing the appropriate buttons you can switch to other operating conditions. For example, if the *Entrance Control* symbol lights *Up* green, your pet can always enter the house.

In this mode, you can also see which of your pets is using the door. In the example below, the pet with number 02 is passing the pet door from inside to outside.

In the following example, your pet with number 02 wants to enter the house. This feature is not activated in this example, and so the petWALK pet door will not open.

SETUP

11.4.4.3 PROGRAMMING OF TIME CONTROL FOR CHIPPED PET

NOTE! You can skip this chapter if you have only 1 pet or if you have several pets and do not plan different entry times.

Without additional programming, the standard timing will also apply to your chipped pet. So you will be fine in most cases. But if you have several pets and intend that different rules apply for the use by these pets, the petWALK pet door offers a number of possibilities.

You can set per animal if the time program:

- Always applies
- Never applies (the pet is always allowed to get out and in)
- Only applies to get out, getting in is always allowed
- Only applies to get in, getting out is always allowed
- Only applies to get out, getting in is never allowed
- Only applies to get in, getting out is never allowed

To set this according to your needs per pet, press the *Setup* button on your remote control to return to the setting mode. The *Access Control* button takes you to the teaching mode. The symbol *Access Control* will flash orange on the display. The display shows the first free space.

Using the *Up* and *Down* buttons, now adjust the number on the display for which you want to change the permissions and confirm by pressing the *OK* button. As shown below the symbols entrance control and exit control flash in different colours in addition to the pet number.

If pressing the *Entrance Control* and *Exit Control* button, the colour of the corresponding screen fields will change.

Meaning of colours:

- Orange flashing: the set time program applies
- Green flashing: this function is always allowed
- Red flashing: this function is always prohibited

On the picture above it is shown that the pet with number 01 is allowed to enter and exit according to the time control.

Having changed the colours according to your wishes, confirm your changes by pressing the *Setup* button. Now your settings are saved and if pressing the *Setup* button or the *Operating Mode* button, you will return to the operating mode.
This process can be repeated for any number of animals. Of course, you can also change the settings at any time following the same pattern.

NOTE!

If no time program is active and you do not allow your pets to exit by using the remote control, this applies to all animals.

11.4.4.4 DELETING A REGISTERED TRANSPONDER

Of course, you also have the option to delete individual chip codes again. This may be necessary if, for example, a host pet leaves your home again, a young puppy leaves your home, you've lost a chip, etc.

By pressing the *Setup* button on the remote control you enter the setting mode. Press the *Access Control* button and use the *Up* and *Down* buttons to select the number on the display. Now press the *Access Control* button and you can see the following display:

The L 01 on the display indicates, that you can now delete the RFID chip by pressing the *OK* button. The deletion is confirmed with a beep and the display returns to the first free space available.

You can now register a new RFID chip or exit the setting menu again.

11.4.5 PROGRAMMING OF DAWN CONTROL

A brightness sensor is mounted at the petWALK pet door, which can be used to control the pet door. You can specify at which dawn level your pet is not allowed to exit any longer or is only allowed to pass in one direction.

To use the brightness-dependent control of the pet door, you must set the dawn value, from which the functionality of the door will be limited.

NOTE!

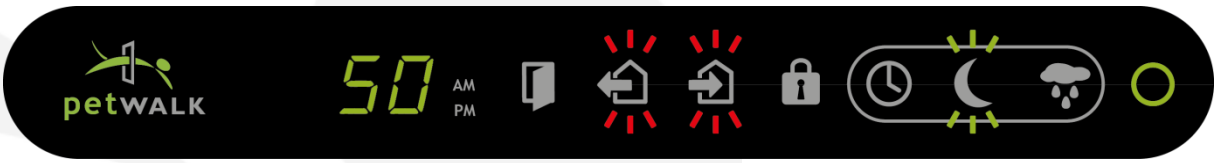
The easiest way is to set the dawn level when you perform the setting at the time of dawn desired. So you can easily use the current measured value of pet door as set point. This will be described below in more detail.

The starting point for the necessary settings is the setting mode, which can be reached by pressing the *Setup* button on the remote control. The display shows all the symbols in green.

By pressing the *Dawn Control* button you enter the dawn mode (to adjust brightness values). The display shows the following:

On the display the current measured brightness value (on the left of the current measured brightness value (this is value 05 in the example shown) is shown. On the right you will find the currently set value, which is set to 50 at the factory. You can now scroll with the *Up* and *Down* buttons as you like. You confirm the desired value now by pressing the *OK* button.

The display now looks like this:

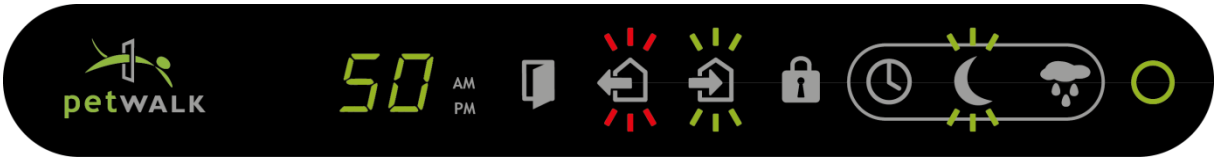


In addition to the preset dawn value (50), the symbols *Entrance Control* and *Exit Control* flash red. This means that when day light gets below this level both extit and entry is prohibited. If the symbol *Dawn Control* flashes green, the petWALK pet door is still in setting mode.

SETUP

You can now determine what action will be prohibited, by pressing the buttons *Entrance Control* and *Exit Control*.

In the example below, we want to prohibit only exit, so we press the *Entrance Control* button. The display for entrance control on the display changes colour to green blinking. This is shown below:



Now, exit is disallowed from a dawn value of 50 or below. To save the setting, press the *OK* button. The petWALK pet door is now back to setting mode. You can now leave these settings by pressing the *Setup* button or the *Operating Mode* button. Then the pet door is back to the operating state from which you have started the program.

NOTE!

If you have many pets, we recommend controlling only the exit by dawn mode. This ensures that your straying cat can return to your home even late night and does not have to wait until dawn.

In operation, you can now change the door controller to this mode by pressing the *Dawn Control* button. On the display the symbols *Entrance Control* and *Exit Control* now show what is currently allowed subject to the state of dawn. So you are always informed about the current status of your petWALK pet door.

The following example shows that the pet door is operated in dawn mode and that due to the current dawn level getting out is prohibited.

NOTE!

This mode can also be operated together with RFID control and/or the control of moisture, of course.

11.4.6 PROGRAMMING OF RAIN SENSOR CONTROL

The petWALK pet door can also be controlled by an optional rain sensor. A rain sensor suitable for your pet door can be ordered in our online shop. This rain sensor communicates via radio with our pet door, no additional installation work is necessary.

NOTE!

If no rain sensor is connected and rain sensor control is activated by the corresponding button, the rain sensor symbol flashes red on the display. If the battery of the rain sensor is empty or no reception is possible, the symbol flashes red too.

To use the moisture-dependent control of the pet door, you must define the level of humidity at which the door's functionality shall be limited. The programming is similar to dawn controller. Because of this we decided not to display the appropriate images.

NOTE!

The easiest way to define the amount of rainfall is to perform the programming during rainfall. That way you can easily take the actual measured value of the pet door as set point.

Starting point for the necessary settings is the setting mode. You can reach it by pressing the *Setup* button on the remote control. The display shows all the symbols in green.

Press the *Rain Sensor* button to access humidity control mode.

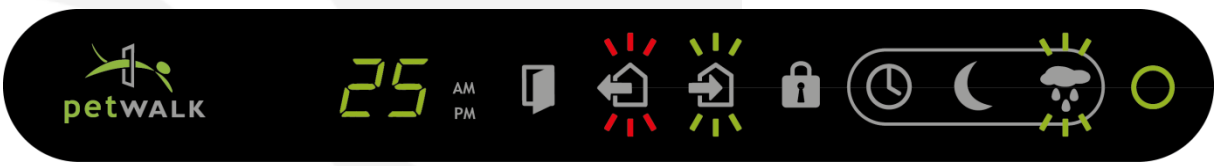
As with dawn programming you see the currently measured moisture value on the left side of the display. To the right you will find the currently target value, which is set to 50 at the factory.

You can now use the *Up* and *Down* buttons and change from 0 (dry) to 100 (very wet).

Now you confirm the desired value with the *OK* button. The display looks like this:

Currently a moisture level of 25 is set.

Now by pressing the *Entrance Control* and *Exit Control* buttons you can select, what should be allowed or prohibited, if the target value is exceeded. The changing colours of the symbols indicate the currently set state.



SETUP

The image above shows that getting in is allowed when crossing the target value, but no animal is allowed to get outside.

To save the settings, press the *OK* button. We are now back to setting mode. You can now leave by pressing the *Setup* button or the *Operating Mode* button. Then the pet door is back to the operating state from which you have started the program.

NOTE!

By experience, we recommend to prohibit in wet conditions only the exit, to ensure that your pet can still return to your home but prevent that your pet carries too much dirt into the house due to constant passing.

By pressing the *Rain Sensor* button you can change the door control to this operating mode. The display will show the symbols *Entrance Control* and *Exit Control*, what is currently allowed dependeding on moisture. So you are always informed about the currently valid status of the petWALK pet door.

NOTE!

This mode can of course also be combined with the modes RFID control and / or dawn control.

11.4.7 PROGRAMMING OF DOOR-IN-DOOR CONTACT

The use of an optionally available door contact is recommended if the petWALK pet door is installed into a front door, or if the pet door will be installed adjacent to an entrance door. The door contact interrupts the functionality of the pet door when the entrance door is opened. Consequently the pet door closes immediately or cannot be opened. The risk of injury by an open pet door and possible collision damage is avoided.

⚠	**DANGER!**	The use of the optional door contact may decrease the risk of injury in special installation situations (e.g. by squeezing between the open pet door and a solid object, e.g. a wall).

The installation of the door contact is described in chapter 8.15 connection to optional door contact.

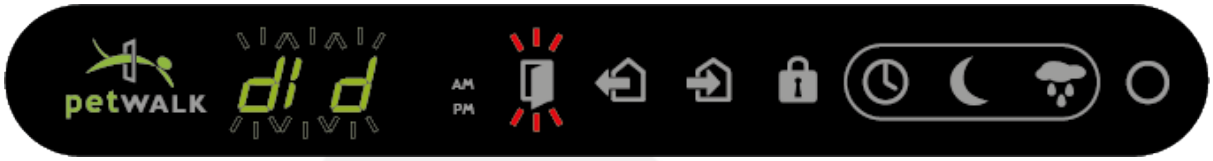
In factory setting the door contact control is switched off. Door contacts can work according to the two principles *Normally Open* (NO) or *Normally Closed* (NC). The door contact offered by petWALK works in normally open mode (i.e. when the door is closed, the door contact is interrupted).

Since the petWALK pet door supports both types of door contacts, it must be configured to the correct model. Information is likely to be found in the manual of the door contact.

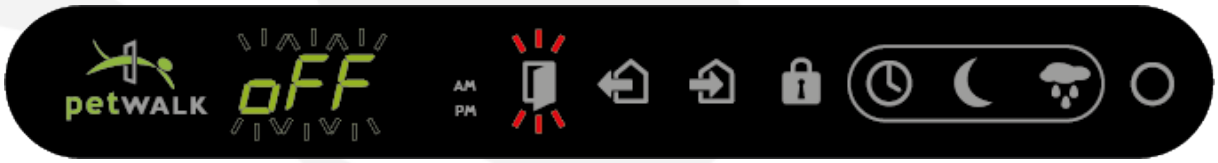
For activating and programming of the door contact you reach the setting mode of the petWALK pet door by pressing the *Setup* button twice in rapid succession (double-click).

The display looks like this:

By using the *Up* and *Down* buttons you can scroll down in the settings menu until "dId" appears.



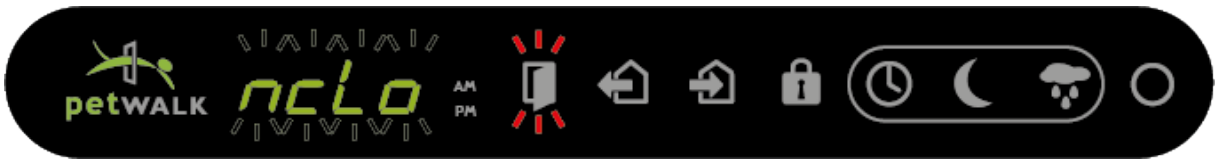
By pressing the *OK* button, you confirm the door-in-door mode. The display shows "OFF".



SETUP

This is the factory default, where the door-in-door mode is off. Now you can switch to the desired mode by using the Up and *Down* buttons. If using a door contact sold by Petwalk, you must switch to normally open “nope" on display.

If using a door contact with the principle normally closed, the display must be set to "ncLo".



The setting is saved with the *OK* button.

You leave the setting mode by pressing the *Setup* button or by pressing the *Operating Mode* button.

11.4.8 COLOUR CODE OF DISPLAY ELEMENTS

In order to make the operation of the petWALK pet door as simple as possible, we kept the number of display elements as small as possible too.

The basic meaning of the display colours is already described in chapter 9.2. Here we will explain the meaning of each display element in detail:

Colour-coding of the display panel *Operating Mode* :

	Meaning of colours of display elements
Green	Operating on mains (normal operation)
Red	Sleep mode
Orange	
Green flashing	Backup Battery weak – door in mains operation*)
Red flashing	The door-in-door mode is active, and the entrance door is open
Orange flashing	Power failure, battery for emergency operation is already weak
Orange>Red flashing	
Orange >Green flashing	Power failure, emergency operation with battery

***)** If the symbol *Operating Mode* flashes green during normal operation, the battery monitoring indicates a weak battery. After a prolonged power failure, this can be quite normal. This condition should disappear after about one hour. If this condition does not disappear, a battery replacement should be considered. According to the factory, the battery life is, as in your car, approximately 3-6 years. Please contact us for a battery swap.

Colour-coding of the display panel *Time Program*:

	Meaning of colours of display elements
Green	Time program is active
Red	
Orange	
Green flashing	Time program setting
Red flashing	Error
Orange flashing	
Orange>Red flashing	
Orange >Green flashing	

Colour-coding of the display panel *Door Opener*:

	Meaning of colours of display elements
Green	Door is open
Red	Temporary locked during re-calibrations of sensors (RFID mode)
Orange	
Green flashing	Time program setting
Red flashing	Error
Orange flashing	When programming door functions, indicates misconduct
Orange>Red flashing	Error
Orange >Green flashing	When programming door functions

Colour-coding of the display panel *Entrance Control* and *Exit Control*:

	Meaning of colours of display elements
Green	Function is permitted
Red	Function is forbidden
Orange	
Green flashing	During programming
Red flashing	During programming
Orange flashing	When motion is detected inside / outside
Orange>Red flashing	
Orange >Green flashing	

Colour-coding of the display panel *Access Control*:

	Meaning of colours of display elements
Green	RFID door control is activated
Red	Error
Orange	
Green flashing	During programming
Red flashing	Error
Orange flashing	Operation with activated Access control: RFID reading active / Trying to read a RFID Transponder In RFID programming mode: free program position
Orange>Red flashing	In RFID programming mode: delete selected RFID Transponder at the selected program position
Orange >Green flashing	In RFID programming mode: RFID Transponder already programmed at this program position

Colour-coding of the display panel *Dawn Control*:

	Meaning of colours of display elements
Green	Dawn control is activated
Red	
Orange	
Green flashing	
Red flashing	During programming
Orange flashing	Programming of brightness level
Orange>Red flashing	
Orange >Green flashing	

Colour-coding of the display panel *Rain Sensor Control*:

	Meaning of colours of display elements
Green	Moisture control is activated, battery of sender is OK
Red	
Orange	Receiving ok from the rain sensor, battery low
Green flashing	During programming
Red flashing	No signal reception from the rain sensor
Orange flashing	
Orange>Red flashing	
Orange >Green flashing	Waiting for signal reception from sender (rain sensor)