WEB-485

FARMCONNECT WEB INTERFACE

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Copyright

1 General introduction

The manual is intended for the user of this device. It contains all the information necessary for operating and cleaning this product. Please read all information and instructions carefully before using the product.

Symbols mark warnings, important notes, tips, etc. in this manual.

Stienen has compiled this manual with all due care. If you find any errors, please let us know.

1.1 Symbols and definitions

	Risk of injury by dangerous electric shock. Danger to people and animals.
	Warning indicating danger to product, people and animals if procedures are not strictly complied with.
	Warning indicating damage to products if procedures are not strictly complied with.
	Pressure cleaning is not allowed.
	Collect as separate flows
	Important note
	Additional information
	Example of a concrete application of the functionality described.
	Example calculation
	Manual control
	Tips and advice
	Screenshot
	Application note

1.2 Customer service

If you have any questions, please contact your installer. Be sure to have all the necessary data handy. You should also always write down the cause of a fault and the circumstances that occurred during the fault. This will enable you to avoid any ambiguities and it will enable your installer to deal with any faults quickly and effectively.

2 Safety instructions and warnings

Read the general safety instructions in this chapter carefully before using the device. A certified installer must install the device and resolve any faults, in accordance with the applicable guidelines. If this product is installed and used in any other way, the warranty will not apply.

2.1 Sound, independent alarm system

Although we have designed and built our control equipment with the greatest care possible, technical faults can never be ruled out. Insurance requirements in many countries are becoming increasingly stringent. This requires the alarm contacts of the various control computers to be connected a central alarm unit.

⚠ We recommend also installing a sound independent alarm system, for example a min/max thermostat.

❗ We advise you to manually test the alarm at least once a week.

2.2 During use

The people who operate the device have read the manual carefully. They are aware of potential hazards that may arise from improper use and maintenance of the product.

⚡ The device must only be opened by authorised personnel.

⚠ Do not switch off the control computer while the house is empty, but switch it to *Off* mode. This will prevent condensation caused by the equipment cooling down.

⚠ Check the device for any damage at regular intervals. A damaged device is unsafe. Always report any damage to your installer.

🚫 Electronic equipment is splash-proof and must not be cleaned using a pressure cleaner.

❗ If any emergency has occurred, write down: the circumstances under which the emergency occurred, installation settings, software date, software version number and possible causes.
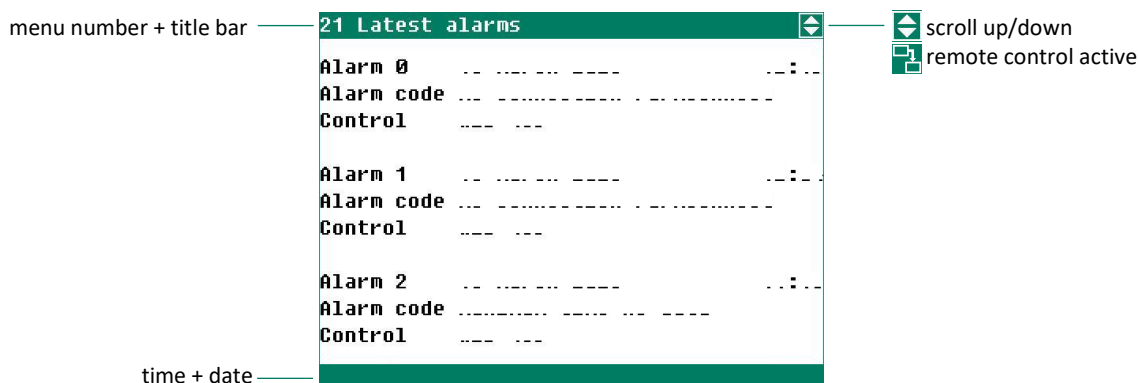
2.3 Disposal

The EU has set up systems for the separate collection of waste electrical and electronic equipment and batteries (Directive 20212/19/EU). If you do not dispose of the device properly, you risk a fine.

♻ Electrical and electronic equipment must be collected separately at the end of its life.

3 Display and keyboard

3.1 Display

menu number + title bar ——————

```
21 Latest alarms                        ⬍
Alarm 0      .. .... ... ....        .. :..
Alarm code ... -.......... . .. .........
Control      .... ...

Alarm 1      .. .... ... ....        .. : .
Alarm code ... -.......... . .. .........
Control      .... ...

Alarm 2      .. .... ... ....        .. :..
Alarm code ..........  .... ... ....
Control      .... ...
```

⬍ scroll up/down
🖳 remote control active

time + date ———————

ⓘ If the last lines of text fall outside the display, you will see ⬍ in the title bar.
Using ▲ ▼ , you can then go to the remaining settings/measurements.

3.2 Keyboard

1	2	3		F1	F2	F3
4	5	6		◀◀	◉	▶▶
7	8	9		✕	▲	✓
	0			◀	▼	▶
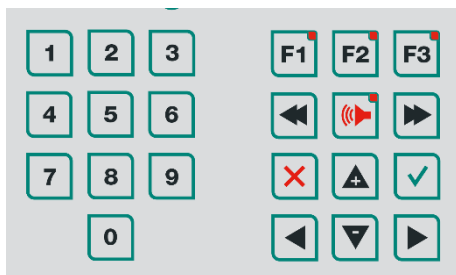
Each time a key is pressed, the display lights up for a few seconds. In a dark house, settings and measurements are then easily visible.

⚠ Operate the keys with your fingertips and do <u>not </u>use sharp objects, e.g. a pen or screwdriver.

Press and

◉ Shortcut key for alarm screen.

✕ Key for cancelling changes or menu selections.
Press and hold to select the main menu.

◀ ▶ Move cursor left or right.
Press and hold to move to the first or last cursor position.

▲ ▼ Move cursor or change value.

✓ Confirm menu selection, start change and confirm change.

- After selecting the value to be changed, the cursor is visible as a green rectangle: 000 .
- While editing, the cursor changes to a black border, for example: 000 .

4 Access code

```
Main menu
1 Status
2 Alarm
3 System
Access code        ****
```
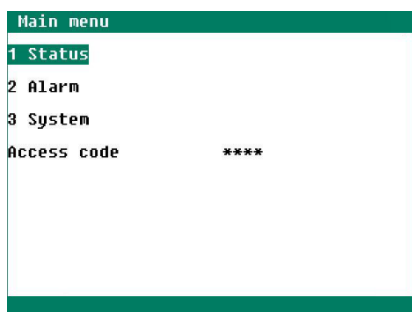
If you use an access code, you should write it down and keep it in a safe place. You cannot change settings without an access code.

The access code remains active until the overview screen is selected. After that, you need to re-enter it to be able to change a setting.

Access code   You can set a 4-digit access code to prevent unauthorised persons from changing settings. Your installer can create up to six access codes for you.

5 Status

```
1 Status
IP address              ___.___.___.___
Subnet Mask             ___.___.___.___
Default Gateway         ___.___.___.___
MAC address             ____:____:____

System up time       _   days    _:__:__
Connection up time       days    _:__:__
Total connections FarmConnect         _
Connection ethernet                 yes
Connection FarmConnect               no
FarmConnect messages received         _
FarmConnect messages sent             _
```

IP address	The unique internet protocol address (IP address) is assigned to each device in a network that uses the internet protocol for communication. If zeros remain on this line after plugging in the Ethernet cable, the WEB-485 does not have access to a functioning network.
Subnet Mask	This mask unique to each device is automatically configured using the Dynamic Host Configuration Protocol (DHCP).
Default Gateway	The node in a computer network that uses the Internet Protocol Suite and serves as a 'router' to other networks when no other route specification matches the destination IP address of a data packet.
MAC address	The *Media Access Control address* is a unique identification number to identify the *WEB-485* in the communication network.
System up time	The amount of time (days and hh:mm:ss) that the *WEB-485* has been active since the last reset (or power failure).
Connection up time	The amount of time (days and hh:mm:ss) of the current connection to *FarmConnect* since the last reset (or power failure) of the *WEB-485*.
Total connections FarmConnect	The total number of successful connections to *FarmConnect* since the last reset (or power failure) of the *WEB-485*.
Connection ethernet	Here you can see whether the *WEB-485* is currently connected to Ethernet.
Connection FarmConnect	Here you can see whether the *WEB-485* is currently connected to the *FarmConnect server*.
FarmConnect messages received	The total number of messages received from the *FarmConnect server*.
FarmConnect messages sent	The total number of messages sent to the *FarmConnect server*.

6 Alarm

6.1 Alarm status

```
2 Alarm status
Main alarm  on        Test no
  🕐 off    no
Alarm code  No alarm
Control


Alarm external house

1 Latest alarms
2 Alarm WEB-485
3 Communication
```

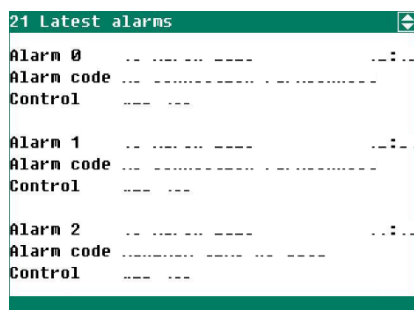|	
Main alarm	Here you can turn the main alarm on and off. If the main alarm is off, the LED blinks regularly. No more alarms are issued.
	! Installation errors cannot be disabled.
Test	Set *Test* to *yes* to test the alarm relay (siren) for 10 seconds. Set *Test* to *no* to clear the alarm test time.
🕐 *off*	*Temporarily disable alarm* Option for temporarily disabling the alarm (siren). This does not apply to the hardware alarms; they cannot be switched off temporarily. The main alarm is switched off for 30 minutes; the LED will blink irregularly. The main alarm is switched on automatically again after 30 minutes. The alarm relay will de-energize again, causing an alarm, if the cause of the alarm has not been removed. You can <u>clear </u>the alarm setting time by setting 🕐 *off* to *no*.
Alarm code	See page 8.
Terminal	The number of the terminal, to which the alarm relates.
Alarm external house	If a message is received via the communication loop (*WEB-485 = master device*), that the alarm relay of a connected controller has de-energized, the corresponding house number is displayed here.

⚠ Remember to turn the alarm back *on* after it is switched off for troubleshooting. Preferably use the 🕐 *off* function to clear a fault.

6.2 Last alarm

```
21 Latest alarms                        ▲▼

Alarm 0     .. .... ... ....        ..:..
Alarm code ... ........ .... . .. .........
Control      .... ...

Alarm 1     .. .... ... ....        ..:..
Alarm code ... ........ .... . .. .........
Control      .... ...

Alarm 2     .. .... ... ....        ..:..
Alarm code ........... .... ... ....
Control      .... ...
```

Alarm 0   The cause of the *most recent alarm*, in addition to the time until which the alarm has been/was active. Press the down arrow key to display the data of the previous alarms.

6.3 WEB-485 alarm

```
22 Alarm WEB-485


Alarm WEB-485          on
Time no data        01:15 m










Alarm code  No alarm
```

```
...  Installation communication

Device address           ---
User number              ---
Baud rate                57K6
Interval FarmConnect      10  min
Master device            yes
WEB-485                  no
Number of addresses in loop   001
Communication             ✉
Communication error address   0


1 Remote control
```

Sample setting on external device:
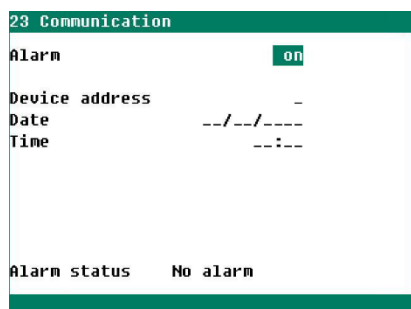*FarmConnect interval = 10 minutes by default*

!   Do not change the default setting to avoid unnecessary alarms.

Time no data   Enter the amount of time (hh:mm), after which the *WEB-485* should raise an alarm if no data transfer between WEB-485 and *FarmConnect* has taken place during this time. Default = *01:15* (75 minutes).

Interval FarmConnect   60 minutes is the longest interval time that the installer can set on the devices connected. Ask your installer what time he has set. Then enter a time, which is equal to or higher than the time entered by the installer on the connected devices.

6.4 Communication

```
23 Communication
Alarm                   on

Device address           _
Date                __/__/____
Time                   __:__





Alarm status   No alarm
```

Here you can enable and disable the communication alarm. This screen appears only at a master device. *Device address* shows the address, from which the master device did not receive any data.

6.5 Alarm codes

Alarm code	Description
Alarm external house	See page 6.
Communication	The master device has not received any data from the displayed device address.
No addresses in loop	For *Device,* the number of addresses in the loop has not been filled in.
No communication address	Device address WEB-485 missing.
No Ethernet connection	Ethernet connection missing: router is off or loop interrupted.
No valid IP address	The assigned IP address is invalid.
No connection to FC	Invalid connection key. The connection to *FarmConnect* has been interrupted.
Main station inactive	No (info) messages are received (RS485 communication loop) by the *WEB-485*.
Maximum time no data	There is a connection to *FarmConnect* but no data transfer between *WEB-485* and *FarmConnect* has taken place during the time entered.
Module 0 does not respond	Module address 0 does not exist. Check hardware.

7 System

7.1 General

```
3 System

Device                    WEB-485
Type                          178
Software version          --.--.--
Software date             --/--/----

ENG, NLD, DEU, FRA,
RUS, ESP, ZHO             English

1 Date/Time
2 Display
3 Remote control
```

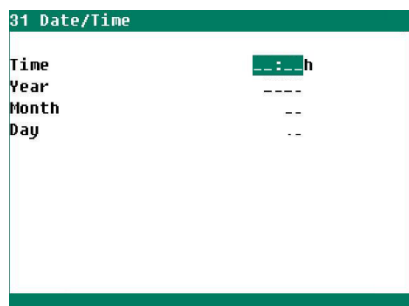|	
Device	Device name. In this example *WEB-485*.
Type	Type number of the device: *WEB-485 = 178*.
Programme version	The version of the software in the WEB-485.
Programme date	The date of software.
ENG, NLD, DEU, ...	Set the language in which the texts should appear in the menu: ENG=English, NLD=Dutch, DEU=German etc.

Shortcut keys for changing language: press and hold ⃞F1 and use ◀ ▶ to select previous/next language.

7.2 Date/Time

```
31 Date/Time

Time                     --:--h
Year                     ----
Month                    --
Day                      --
```

This screen allows you to set the current date and time.

7.3   Display

```
32 Display
Brightness
  on                     100%
  off                    015%
  On-time                300s
Cursor left              yes
```

Brightness	*on*	Brightness setting of the display in operation mode.
	off	Brightness setting of the display in sleep mode.
	On-time	Number of seconds the backlight illuminates after the last time a key is pressed. 0 seconds = backlight does not switch off.
Cursor left	*yes*	Place cursor on the far left digit when you start making changes.
	no	Place cursor on the far right digit when you start making changes.

7.4   Remote control

```
33 Remote control
Disclaimer
Manufacturer accepts no responsibility
for damage when using Remote Control.
You need to provide a secure
LAN environment shielded from the
internet through a firewall.


Remote control          yes
User                    .--.
Access code             -.-.
IP address              .--.-.--.---.---
```

ANote-Remote-N-ENxxxxx