WEB-485

WEB-485 FarmConnect interface

A Dutch, German and French version of this manual is also available on the website of www.StienenBE.com.
Go to https://www.stienenbe.com/en/ to download the desired manual.

OVERVIEW SCREEN

CONNECTION FARMCONNECT

Connection with FarmConnect (No: Check your internet access).
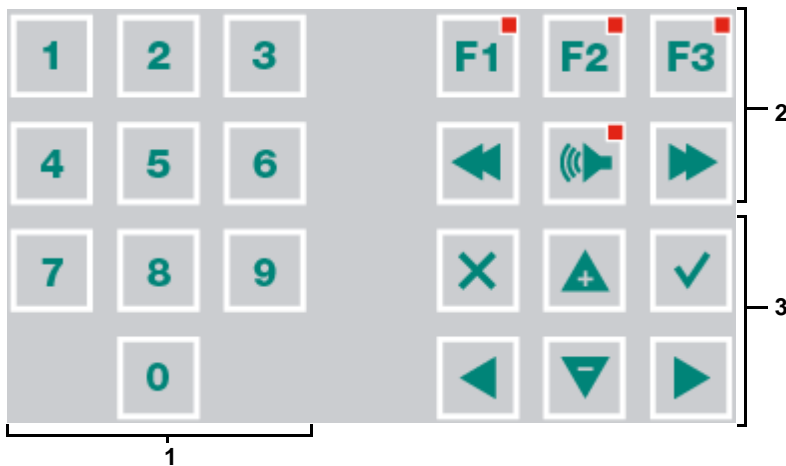
CONNECTION DEVICES

Communication with the connected devices (via RS485 loop, climate controllers, feed computers etc.). No: Check the RS485 communication loop.

DATA TRANSFER

No: There is no data transfer between devices and FarmConnect for over more than 10 minutes (if both of the above rules indicate yes, check FarmConnect operation).

INTRODUCTION

OPERATION

Caution!
Only press the keys with the tip of your finger. Sharp objects can damage the keyboard!

The keyboard can be divided into three basic groups:
1. Numerical keys
2. Function keys
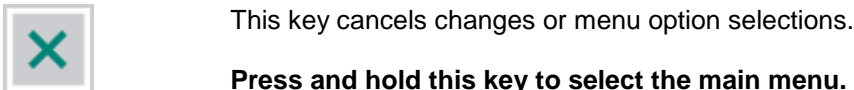3. Navigation keys

1 Numerical keys (0..9)

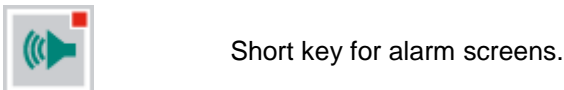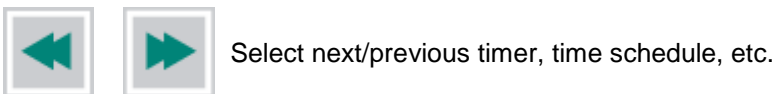The numerical keys can be used to enter a screen number or edit a setting or a text.

2 Function keys

No actions have been assigned to the function keys F1, F2 and F3.

3 Navigation keys (menu, cursor, mode)

 Select next/previous timer, time schedule, etc.

 Short key for alarm screens.

 This key cancels changes or menu option selections.

Press and hold this key to select the main menu.

◀	▶	Move cursor
		Pressing and holding the key: move cursor to the first/last setting on the screen.
▲	▼	Move cursor or change value
✓		• Confirm menu option • Confirm start change • Confirm change

MAIN MENU

```
Main menu
1 Status
2 Alarm
3 System
Access code          ****
```

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           yes
FarmConnect messages received    ---
FarmConnect messages send       ----
```
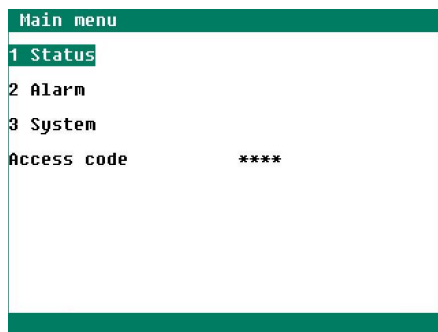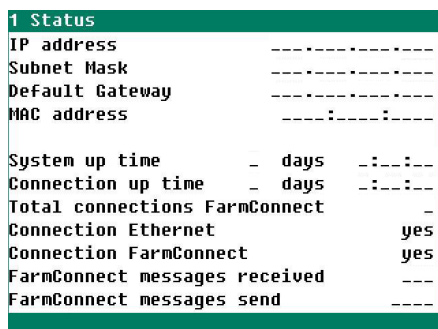
IP address   An Internet Protocol address (IP address) is a numerical label assigned to each device connected to a network that uses the Internet Protocol for communication.

If zeros remain here on this line, after you plug in the Ethernet cable, you will not have access to the network.

Subnet Mask   This mask is unique to each device and is be configured automatically with the Dynamic Host Configuration Protocol (DHCP).

Default Gateway   A default gateway is the node in a computer network using the Internet Protocol Suite that serves as the forwarding host (router) to other networks when no other route specification matches the destination IP address of a data package.

Mac address   The Media Access Control Address (MAC address) is a unique identifier number to identify the WEB-485 in the communication network.

System up time   Duration that the WEB-485 is active after the last reset (or power down).

Connection up time   Duration of the current connection with FarmConnect after the last reset (or power down) of the WEB-485.

Total connections FarmConnect   Total number of successful connections with FarmConnect after the last reset (or power down).

Connection Ethernet   Indicates whether the WEB-485 is currently connected to Ethernet.

Connection FarmConnect   Indicates whether the WEB-485 is currently connected a FarmConnect server.

FarmConnect messages received   Number of messages received from the FarmConnect server.

FarmConnect messages send   Number of messages sent to the FarmConnect server.

ALARM

```
2 Alarm status

Main alarm    on        Test no
   🕐 off     no

Alarm code   No alarm
Control



Alarm external house    ... ....


1 Latest alarms
```

TEST (ALARM TEST)

Test "yes": This enables you to test the operation of the alarm relay (siren). If you enter "yes" in the **Test** line, the alarm relay (siren) will be switched on for 10 seconds.

You can clear the alarm test time by setting "no" in the **Test** line.

Alarm external house: If the alarm relay has become de-energized in one of the connected devices (there is an alarm) than that is shown here.

🕐 off (ALARM TEMPORARILY OFF)

Off: "**yes**": This enables you to temporarily switch off 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.

ALARM

```
21 Alarm WEB-485


Alarm WEB-485           on
No data time          01:15





Alarm code  No alarm
```

Please do not change the default setting to avoid unnecessary alarms.

```
... Installation communication

Device address              001
User number                 001
Baud rate                   57K6
Interval FarmConnect         10 min
Master device               yes
WEB-485                      yes
Number of addresses in loop 001
Communication                ✉
Communication error address WEB-485

1 Remote control
```

Example setting on external device (default 10 minutes).

Here the time period can be set after which the WEB-485 causes an alarm if no data is transferred to FarmConnect during the set time (default time is 75 minutes).

The largest time interval that can be set (by the installer) on the connected devices is 60 minutes (Interval FarmConnect). Ask the installer what time he has set and set a time here that is equal to or higher than the time set by the installer on the connected devices.

LATEST ALARMS

```
22 Latest alarms           ⬍

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

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

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

The last 5 alarm causes, which caused the alarm relay to de-energize, are stored in the memory of the WEB-485. The dates and times of the alarms are displayed in addition to their causes. Pressing the cursor down arrow key displays the data of the previous alarms.

Alarm 0: The cause of the *most recent alarm* is displayed at "Alarm 0", 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.

Alarm code	Description
Module 0 not responding	Module address 0 is not found, check the hardware.

SYSTEM

```
3 System

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

ENG                        ENG




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

The "System" screen shows the device name, the device type (178=WEB-485), the program version, program date.

Change language: Hold down the F1 key and press the right cursor key.

DATE/TIME

```
31 Date/Time


Time                   16:27h
Year                     ----
Month                      --
Day                        --
```

The date and time can be set in this window.

DISPLAY

```
33 Display

Brightness
  on                     100%
  off                    015%
  On-time                500s

Cursor left              yes
```

Brightness	To set the brightness of the background lighting
on	To set the brightness of the active situation (operating mode).
off	To set the sleep mode brightness.
On-time	Number of seconds during which the screen is lit after the last time a key is pressed. Setting 0 seconds does not switch off the screen lighting.
Cursor left	"yes" When changing a setting, the cursor is placed on the digit which is the furthest to the left.
	"no" When changing a setting, the cursor is placed on the digit which is the furthest to the right..

REMOTE CONTROL

```
32 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      xxx.xxx.xxx.xxx
```

For more information about the remote control see application form: ANote-Remote-N-ENxxxxx.

Manufacturers CE Declaration of Conformity

Manufacturer:	Stienen Bedrijfselektronica bv Mangaanstraat 9 6031 RT Nederweert the Netherlands
Type:	FarmConnect interface
Model:	WEB-485 Brand Stienen
Tests:	EN 61000-3-2 EN 55014-1 EN 55014-2 EN 60355-1 EN 60204 EN 61010
Date of CE marking:	June 22, 2018
As last amended by:	EMC Directive 2014/30/EU Low Voltage Directive 2014/35/EU Machine Directive 2006/42/EC
Place of Issue:	Nederweert, the Netherlands

I hereby declare that the equipment above conforms to the above Directives and Standards, when installed in accordance with the manufacturer's specifications.

E.P.M. Stienen
Director
Stienen Bedrijfselektronica bv