Vitocom 100 LAN1 - Vitotrol App
Boiler control from your smart phone

Vitocom 100 LAN1 / Vitodata100.com / Vitotrol App
Remote Control Of Heating Systems Via The Internet

Vitotrol APP or the Vitodata100.com website can be used to remotely access a heating system via the Vitocom 100 LAN1.

- To enable this, the Vitotronic control operating the boiler(s) must be extended with the Vitocom 100 LAN1 interface and must be connected to the internet via DSL or similar LAN router on site.
  - Configuration of the DSL router is not required.

- An active account, set up on the Vitodata100 website, needs to be established.
  - There is no cost for a Vitodata account.

- Boiler messages can be routed via:
  - Email: to a smart phone, tablet or PC.
  - SMS text message to a smart phone.
  - A fax number.

- Up to three heating circuits per location can be accessed.

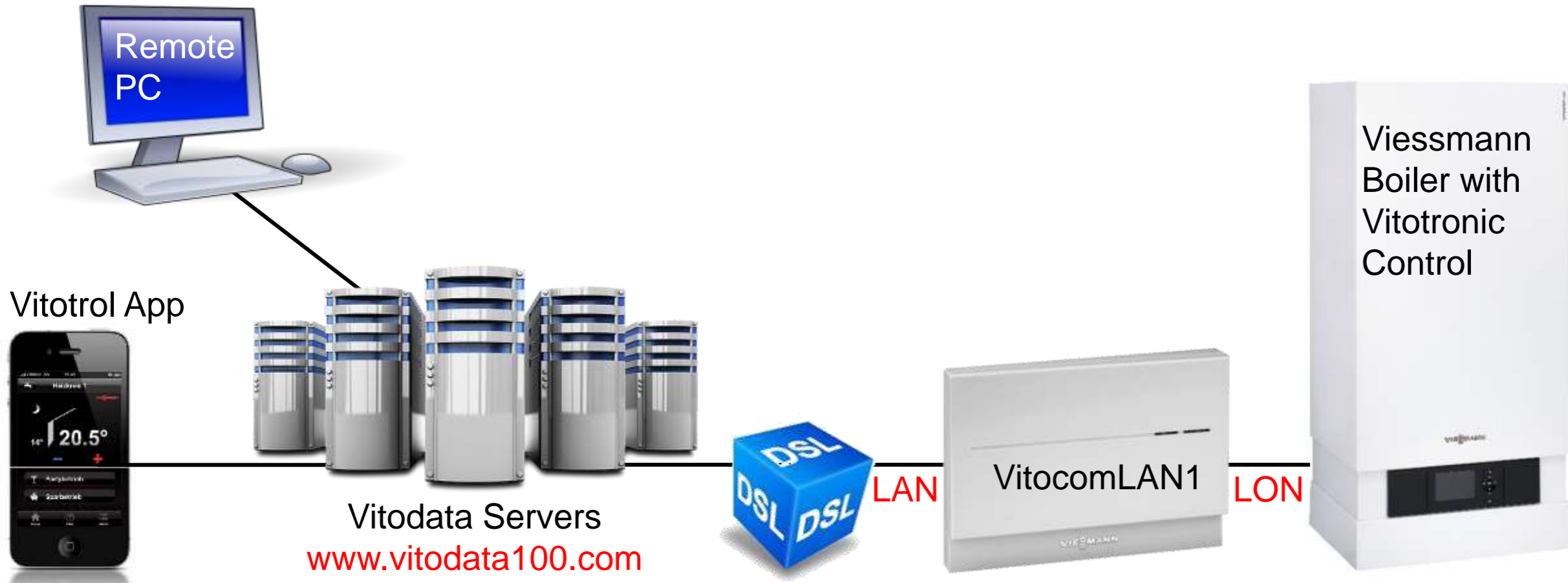- Multiple Vitocom 100 LAN1 devices can be accessed from the same account.

Vitocom 100 LAN1

Remote Control Of Heating Systems Via The Internet

Description:

- The Vitocom 100 LAN1 connects a Viessmann heating system via LON and LAN to the Vitodata server.

- Access to the server is possible via Vitodata 100 (www.vitodata100.com) or the Vitotrol App.

Remote PC

Vitotrol App

Viessmann Boiler with Vitotronic Control

DSL DSL DSL

LAN VitocomLAN1 LON

Vitodata Servers
www.vitodata100.com

VIESSMANN

Vitocom 100 LAN1
Remote Control Of Heating Systems Via The Internet

Functions:

- Set up temperature set points (DHW + heating).
- Turn on comfort or energy saving mode.
- Access to operating schedules and temperatures.
- The Vitodata server can forward fault messages to the following alert targets:
  - Computer with Internet connection to receive a status E-Mail.
  - Mobile phone to receive a status SMS or E-mail.
  - A Fax for receiving messages
- Content of the messages:
- Address of the system, type of message, fault code, message text and time.

Vitocom 100 LAN1
Connecting To The Internet Without LAN Connections Near The Boiler

▪ If it is not feasible to get a **L**ocal **A**rea **N**etwork, **LAN**, cable from the DSL to the Vitocon 100 LAN1, the building's power wiring* can be used to connect the Vitocom 100 LAN 1 to the existing DSL router.

  ▪ Third party Powerline Adaptors (various manufacturers) from a local computer supply house.

LAN over Building's 120VAC power cabling

LAN

Viessmann Boiler with Vitotronic Control

LON

LAN

3rd party Powerline to LAN adaptor
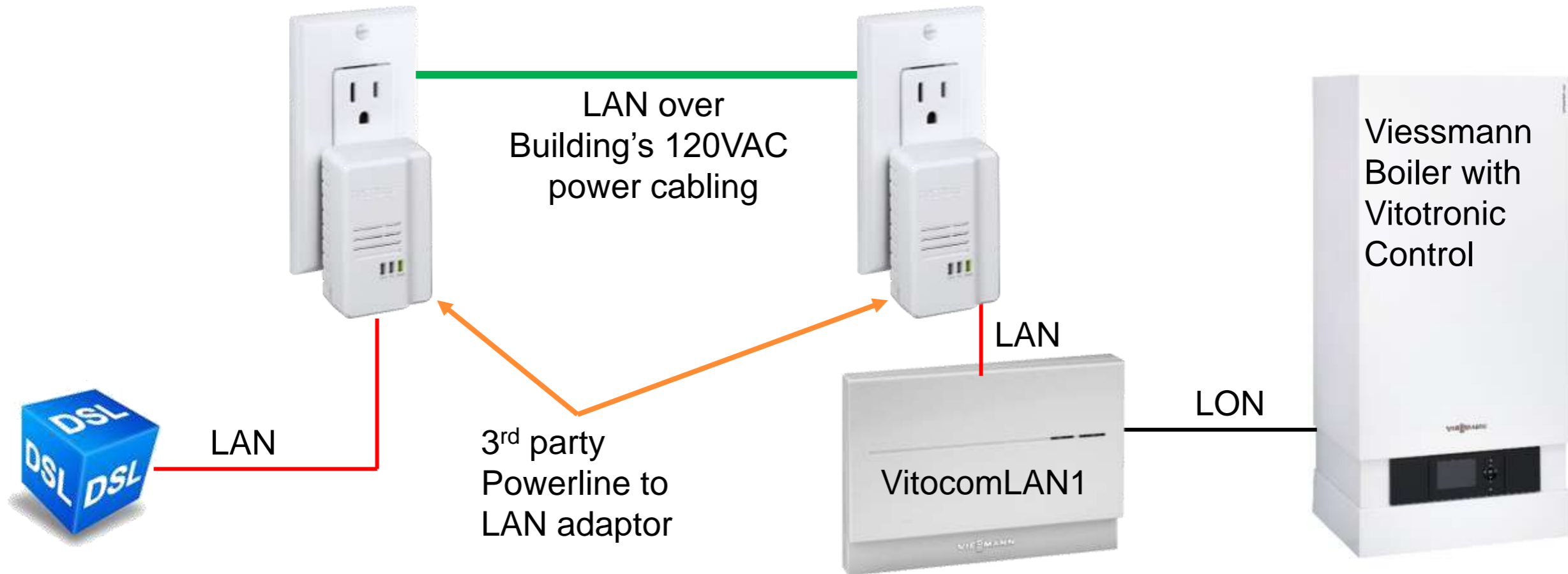
VitocomLAN1

* This may not be possible in buildings with three phase power services.

Vitocom 100 LAN1

Connecting To The Internet Without LAN Connections Near The Boiler

- These adaptors will typically come as a kit.
    - 2 Powerline adaptors.
    - 2 LAN cables.
    - Plug one into a receptacle near the Vitocom 100 LAN1 and one into a receptacle near the DSL router.
    - Connect the LAN cables from the adaptors to the DSL and Vitocom 100 LAN1.
    - No configuration is normally required.

Vitocom 100 LAN1 / Vitotrol App
Remote Control Of Heating Systems Via The Internet

Vitotrol APP

- This application is a convenient tool for the remote operation of heating systems by end users.

- Heating contractors too, can be given the opportunity to connect to the heating system remotely to offer their customers additional service and maintenance facilities.

- The Vitotrol App is available free for:
  - Apple® devices.
  - Android® devices.

Vitocom 100 LAN1 / Vitotrol App

Remote Control Of Heating Systems Via The Internet

Vitodata 100 Webpage

www.vitodata100.com

- By logging onto the Vitodata100 webpage, using an active account, configured systems can be accessed remotely.

- Boiler messages are sent via the Vitodata100 system to a PC via

    - Email

- The Vitodata100 website is a convenient tool for the remote operation of heating systems by end users.

- Heating contractors too, can be given the opportunity to connect to the heating system remotely to offer their customers additional service and maintenance facilities.
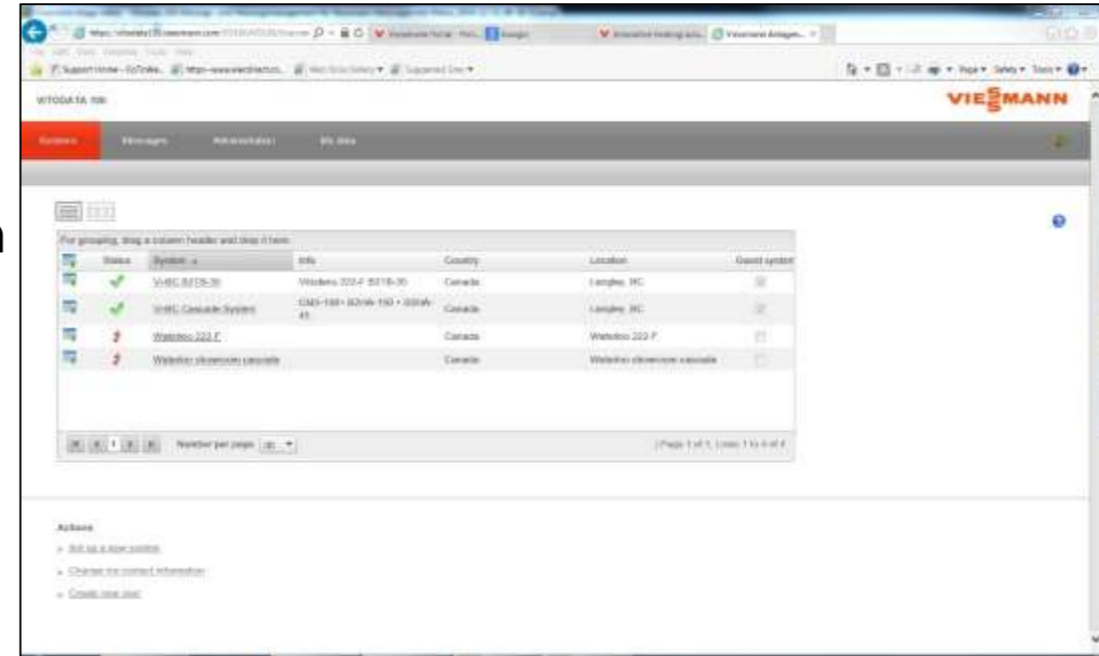
Vitocom 100 LAN1 / Vitotrol App
Remote Control Of Heating Systems Via The Internet

Accessing multiple systems

- Multiple systems can be accessed via both the Vitodata100 website and the Vitotrol App.

- Multiple users can be set up for single or multiple systems.

- Different levels of access can be granted for each user.

    - Operator
    - Administrator

- Administrators can grant Guest user access to systems.
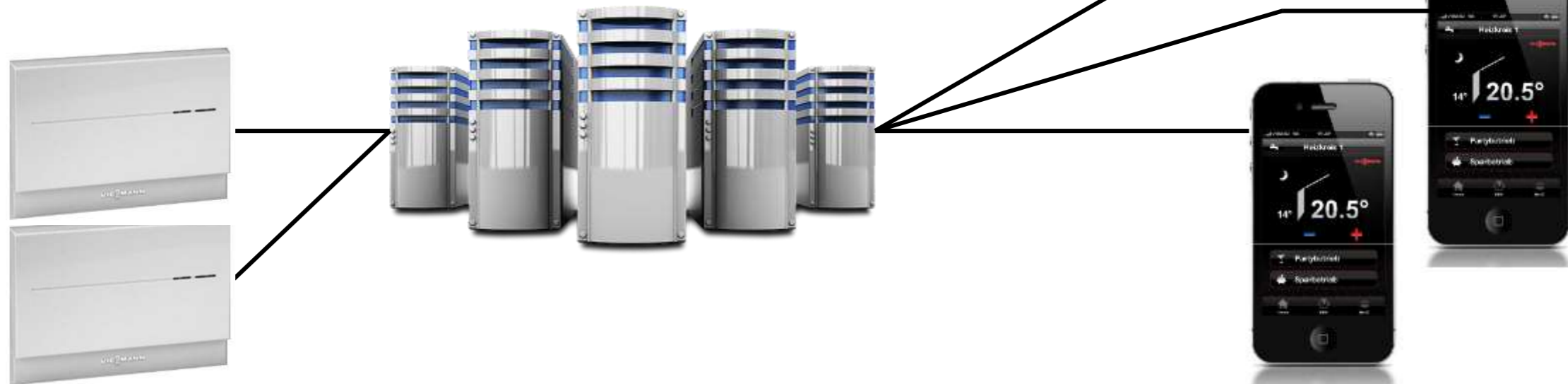
Vitocom 100 LAN1
Boiler LON Module Required For Connection To The Vitodata 100 LAN1

- The Vitocom 100 LAN1:

  - Can be ordered with the single RJ45 boiler LON module
    - Viessmann part # Z011224
    - For single boiler installations.

  - Can be ordered without the LON module
    - Viessmann part # 7501472
    - For multiple boiler systems
    - Individual LON modules need to be acquired separately for each Boiler, Mixing valve control and Cascade control in the system.

LON BUS Module

Boiler control unit
Showing LON Module
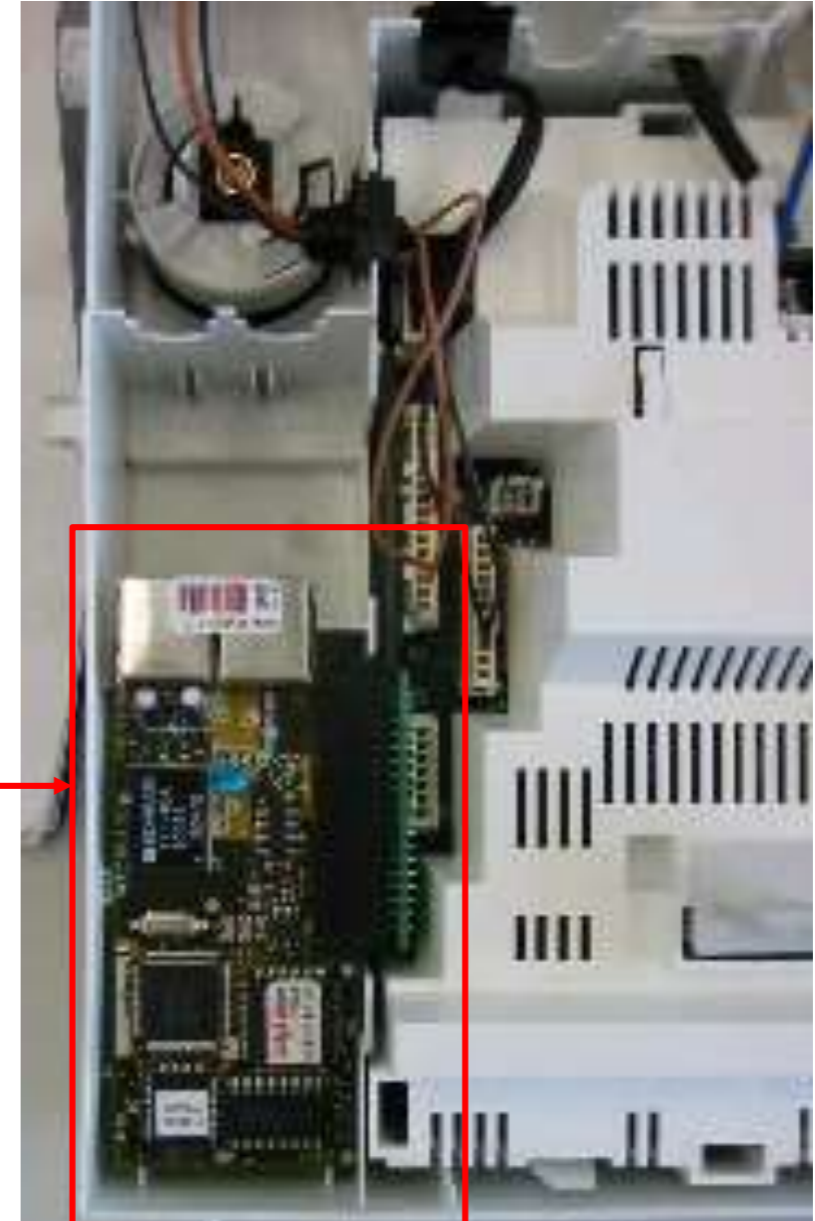
Vitocom 100 LAN 1
Current Control Compatibility

Boiler Series	Control Model
Vitodens 200-W B2HA / B	Vitotronic 200, H01B
Vitodens 222-F, B2TA / B	Vitotronic 200, H01B
Vitocrossal 300 CU3A	Vitotronic 200, KW6B*
Vitocrossal 200, CM2	Vitotronic 300, GW2B
	Vitotronic 300, GW5B
	Vitotronic 300, GW6B*
Vitocrossal 300, CT3	Vitotronic 300, GC1B
	Vitotronic 300, GW2B
Vitorond 200, VD2 / VD2A	Vitotronic 300, GC1B
	Vitotronic 300, GW2B
System (Cascade) Controllers	Vitotronic 300-K, MW1B*
	Vitotronic 300-K, MW2B (For Vitodens 200)
	Vitotronic 300-K, MW2C (For Vitodens 200)
Control Accessories	Vitotronic 300-K, HK1B

*Control includes integrated LON communication module

Vitocom 100 LAN 1
Legacy Control Compatibility*

- Boiler and system controls that are compatible* with the Vitocom 100 LAN1 system.
- All controls require a separate LON module except where noted.
    - Vitodens 200W WB2B
    - Vitocontrol -S Vitotronic 333 MW1, Includes LON module
    - Vitocontrol -S Vitotronic 300 MW2
    - Vitotronic 300K MW2B
    - Vitotronic 100 GC1
    - Vitotronic 300 GW2

* Existing installation configurations should be verified
by Viessmann before compatibility can be assured.

Vitocom 100 LAN1
Setting Up The Vitodata 100LAN1 Device

Installation:

- Mounting
- To remove the front cover slide to the right and pull forward away from the unit.
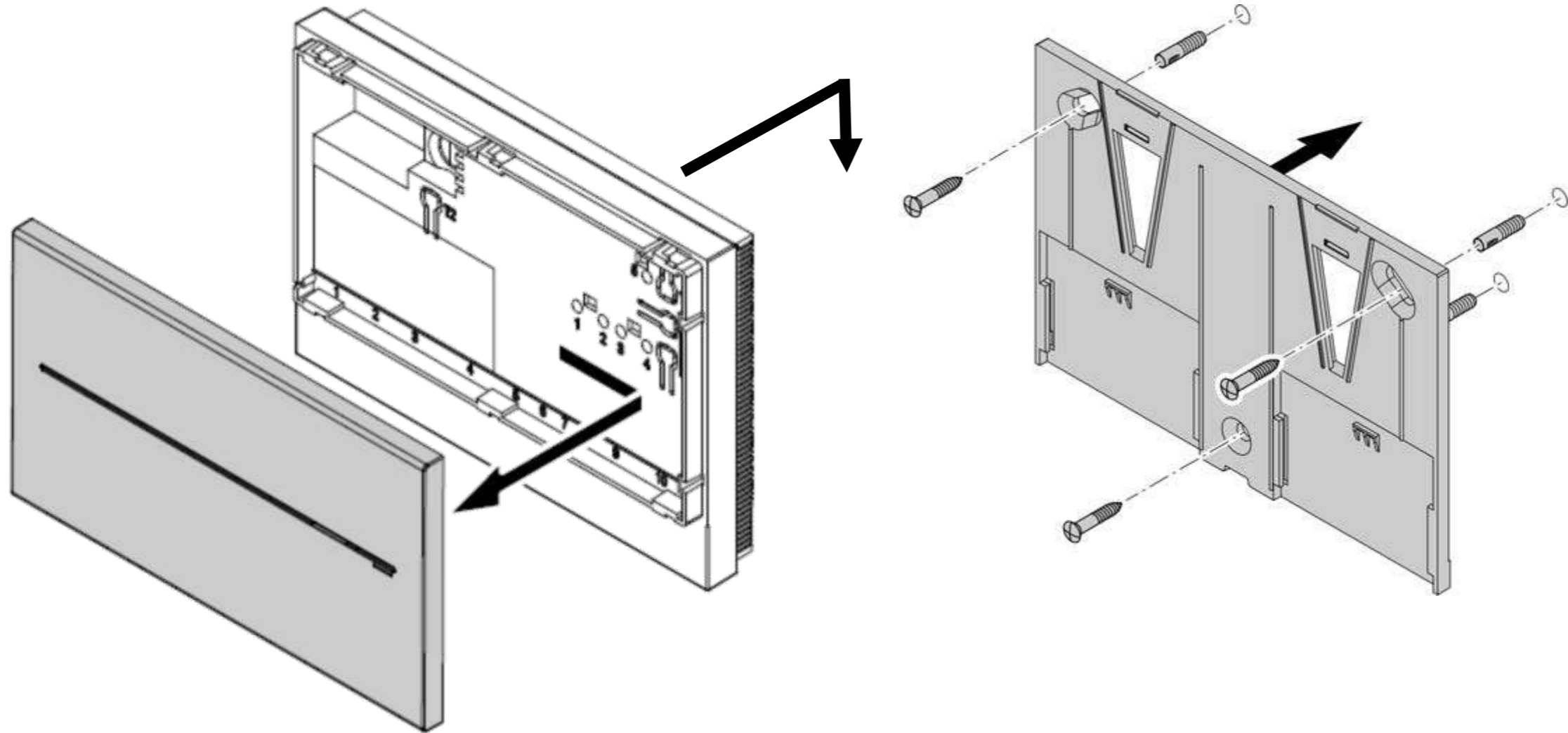
Vitocom 100 LAN1
Setting Up The Vitodata 100LAN1 Device

Installation:

- Wiring

1 Plug-in power supply unit connection, 5 VDC through supplied power module

3 Not Used

4 RJ 45 connector for LAN connection cable to DSL router

9 LON terminator, is enabled in the delivered condition (position of switch left, do not adjust)

10 RJ 45 connector for LON connection cable (red) to the Vitotronic control unit (see communication module installation instructions)
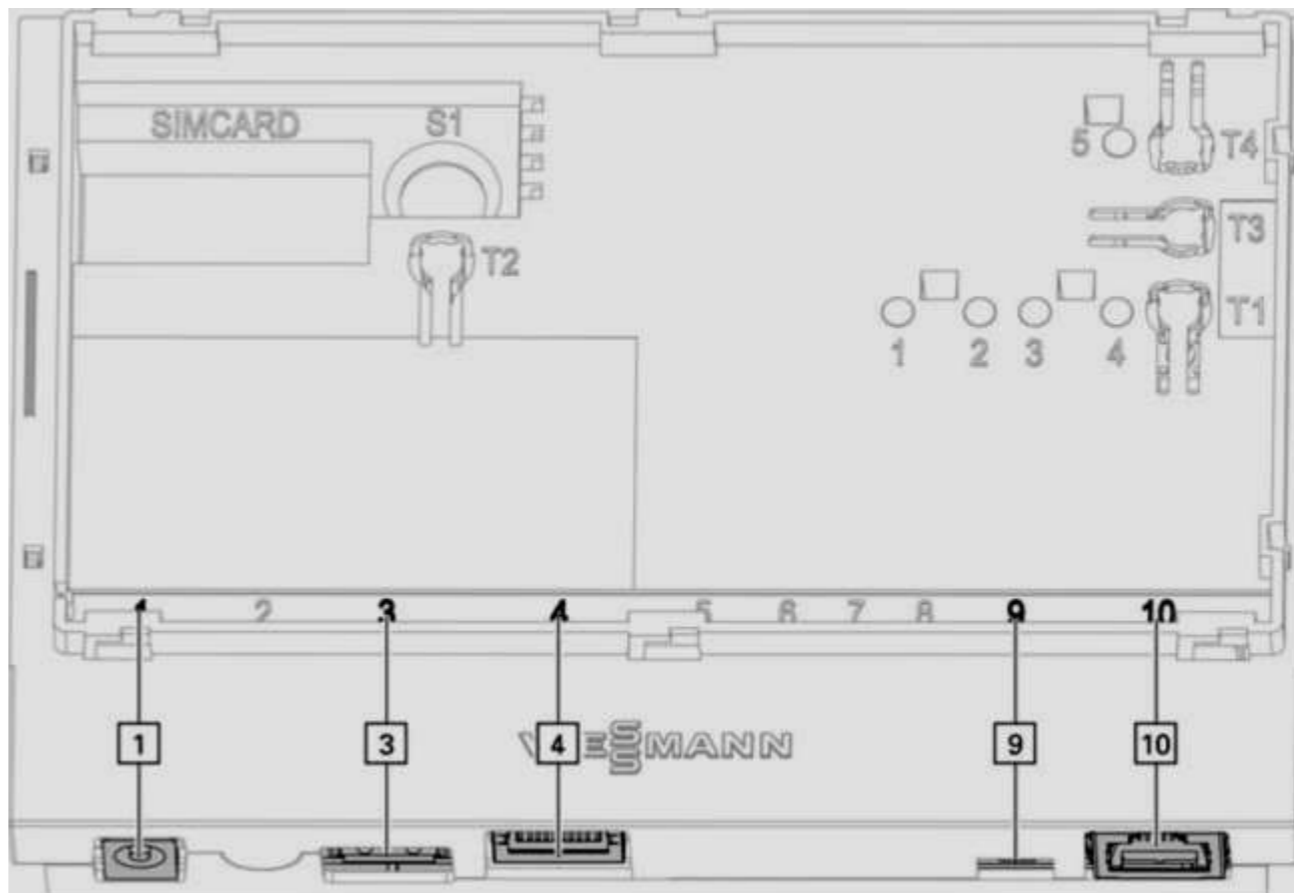
Vitocom 100 LAN1
Updating LON participants list

- In the following cases, the LON participants list in the Vitocom 100 LAN1 must be updated:
    - New LON participants are installed.
    - LON participants have been removed.
    - The LON communication module of an existing subscriber has been replaced.

- To update the LON participants list, hold down reset button **"T4"** for approx. 10 sec.

Note: If the reset button **"T4"** is held down for approx. 30 sec., the Vitocom 100 LAN1 is returned to its delivered condition.

Vitocom 100 LAN1

Initialization

When the Vitocom 100 LAN1 is initializing, the following processes run in sequence:

1. The Vitocom 100 LAN1 starts and loads the internal operating software
    The operating status display **"4"** flashes green after max. 40 sec. After a few minutes, operating status display **"4"** illuminates green.
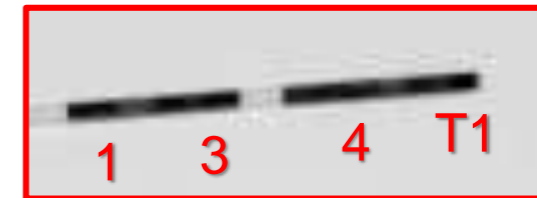
"T1" Maintenance button
"1" LON service Indicator
"3" IP connection status
(green and yellow LED)
"4" Operating status display
(green and red LED)

Initialization

When the Vitocom 100 LAN1 is initializing, the following processes run in sequence:

2. Connect with the Vitodata server IP connection status display **"3"** shows the procedure for establishing the connection:

   - **Flashes yellow slowly:**
     - The Vitocom 100 LAN1 is integrated into the on-site IP network (obtain IP address of DHCP server).
   - **Flashes yellow quickly:**
     - internet connection is being established.
   - **Illuminates yellow:**
     - Connection to the Vitodata server is being established.
   - **Illuminates green:**
     - Secure connection to the Vitodata server is established.
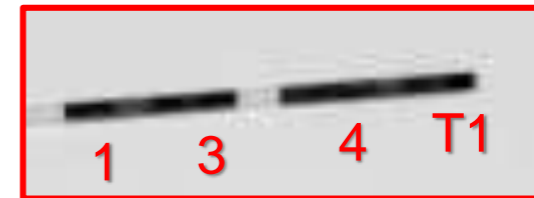
1   3   4   T1

"T1" Maintenance button
"1" LON service Indicator
"3" IP connection status
         (green and yellow LED)
"4" Operating status display
         (green and red LED)

When the Vitocom 100 LAN1 is initializing, the following processes run in sequence:

3. Connect with the Vitotronic control unit via LON

    The Vitocom 100 LAN1 creates a list of all LON participants.

    Note: It may take several minutes to establish the
    connection via LON.
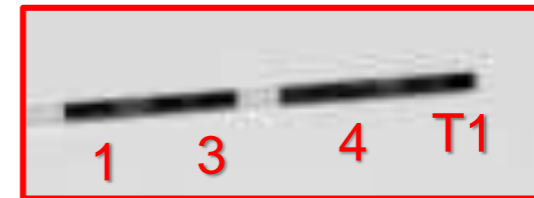
"T1" Maintenance button
"1" LON service Indicator
"3" IP connection status
(green and yellow LED)
"4" Operating status display
(green and red LED)

Vitocom 100 LAN1
Initialization

Initialization Successful

- The Vitocom 100 LAN1 is ready for operation. The following LED indicators illuminate green: operating status display **"4"** and IP connection status **"3".**

Initialization not successful

- If a fault occurs during initialization, this is indicated by the associated LED indicators.
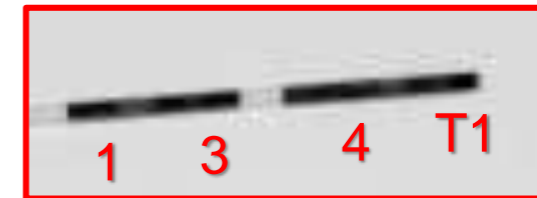
"T1" Maintenance button
"1" LON service Indicator
"3" IP connection status
(green and yellow LED)
"4" Operating status display
(green and red LED)

Vitocom 100 LAN1
LON Participant Check

Requirements:

- The Vitocom 100 LAN1 is connected to the Vitotronic control unit via LON.

- All devices are switched on.

- LON participants numbers are assigned to the Vitotronic control units. (every unit on a LON bus must have a unique LON number)

- The Vitotronic control unit is the fault manager.

Note: The Vitocom 100 LAN1 has a fixed LON participant number of "99".

Note: If the participants check was successful, LON service display **"1"** flashes green at the Vitocom 100 LAN1 for approx. 1 min and "Check OK" appears in the Vitotronic display.
During the check the word "WINK" may display on some controllers.
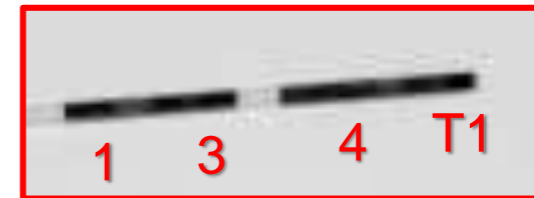
"T1" Maintenance button
"1" LON service Indicator
"3" IP connection status
(green and yellow LED)
"4" Operating status display
(green and red LED)

Registering The Vitocom 100 LAN1

- After the Vitocom 100 LAN1 has been installed it must be registered to a new or existing Vitodata 100 account.

Vitodata Server

Registering A New Account @ www.vitodata100.com

- Go to the Vitodata 100 Login webpage.
- Click Register.
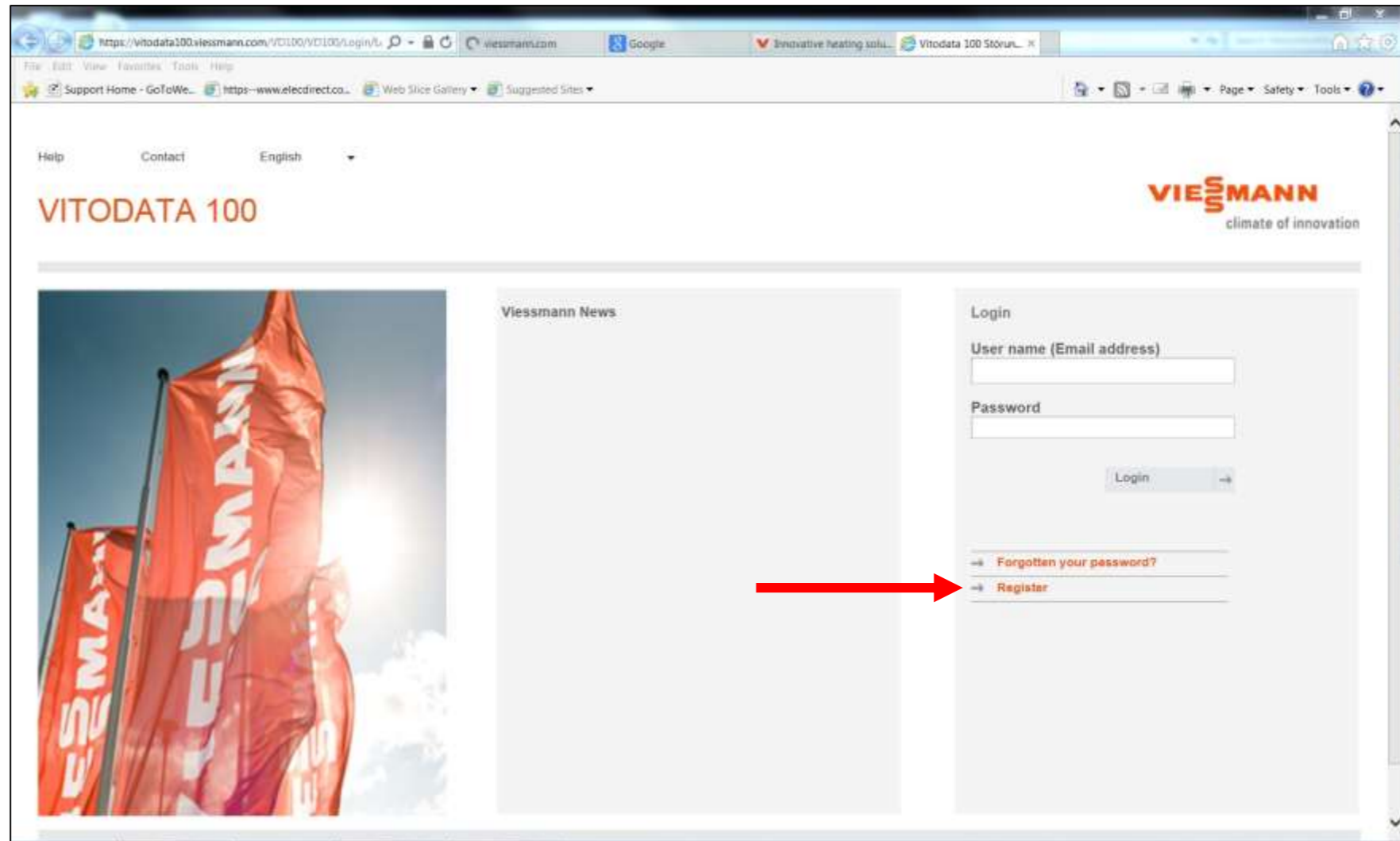
Vitodata Server
Registering A New Account

- Fill in required information.

Vitodata Server

Logging Onto An Existing Account @ www.vitodata100.com
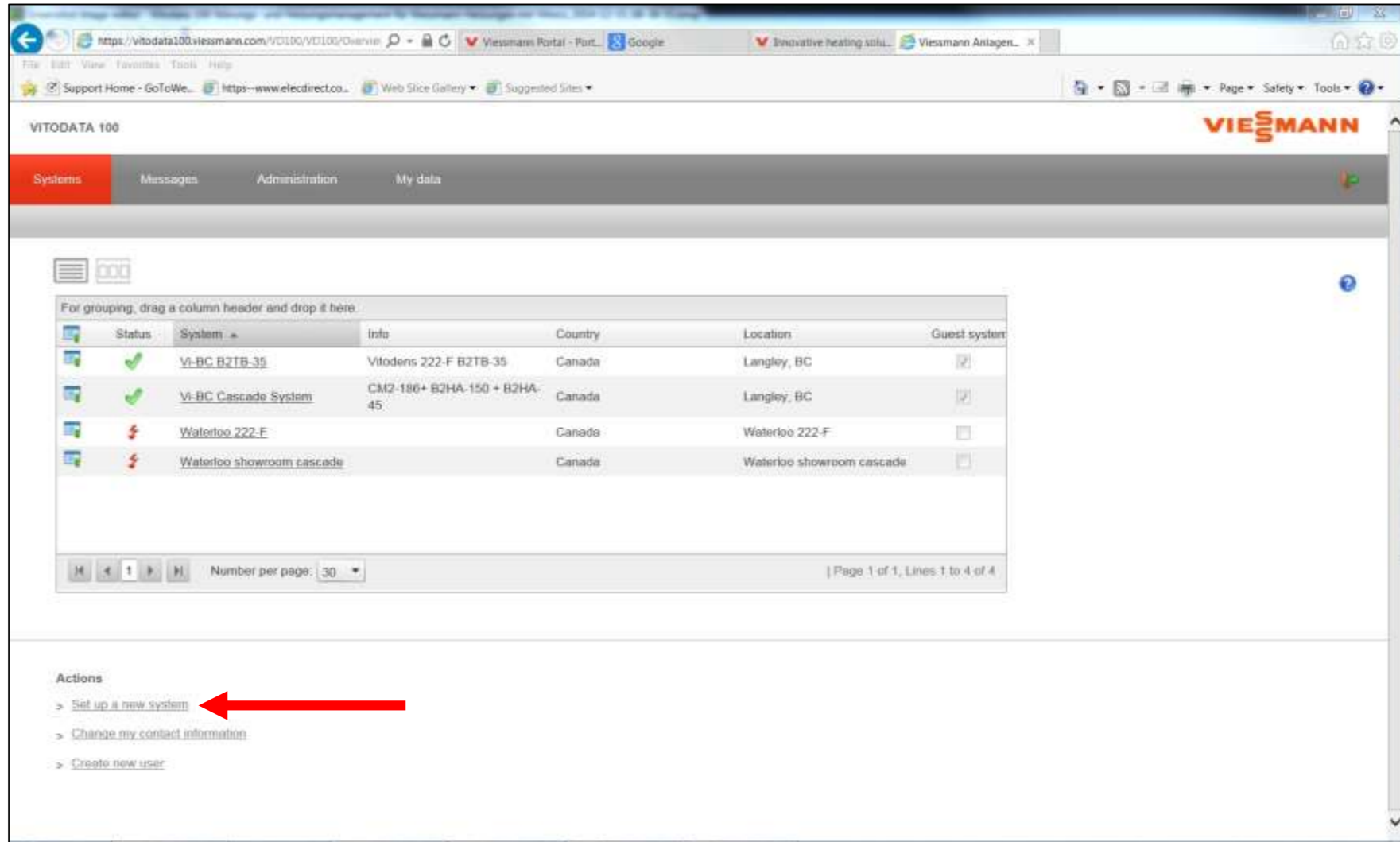
- Go to the Vitodata 100 Login webpage.
- Enter login User name (Email address) and Password.
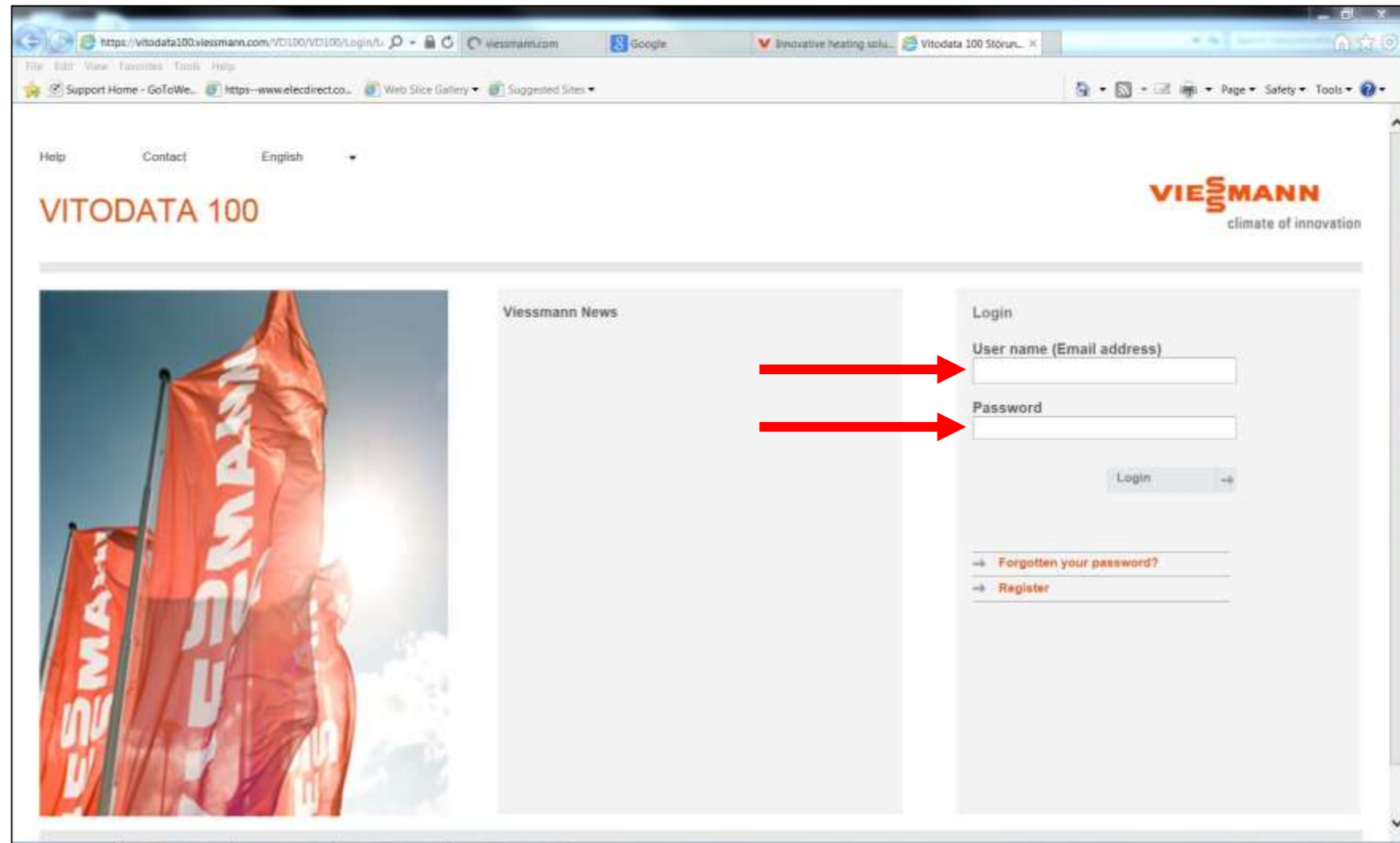
Vitodata Server

Create A New System From A New Or Existing Account

- Click, "Set up a new system".

Vitocom 100 LAN1
Locating The 16 Digit Manufacturer's (Serial) Number

Installation:

- For connecting the Vitocom 100 LAN1 to the Vitodata 100 platform, it is necessary to type in the 16-digit manufacturer's (serial) number from the Vitocom 100 LAN1.

16 Digit Manufacturer's (serial) Number

Vitodata Server
Create A New System From A New Or Existing Account

1. Under the system tab Select Vitocom 100 LAN1.

2. Enter: a system name and country of the system's location.

3. Enter:

   manufacturer's
   (serial) number.

4. Then click, Weiter.
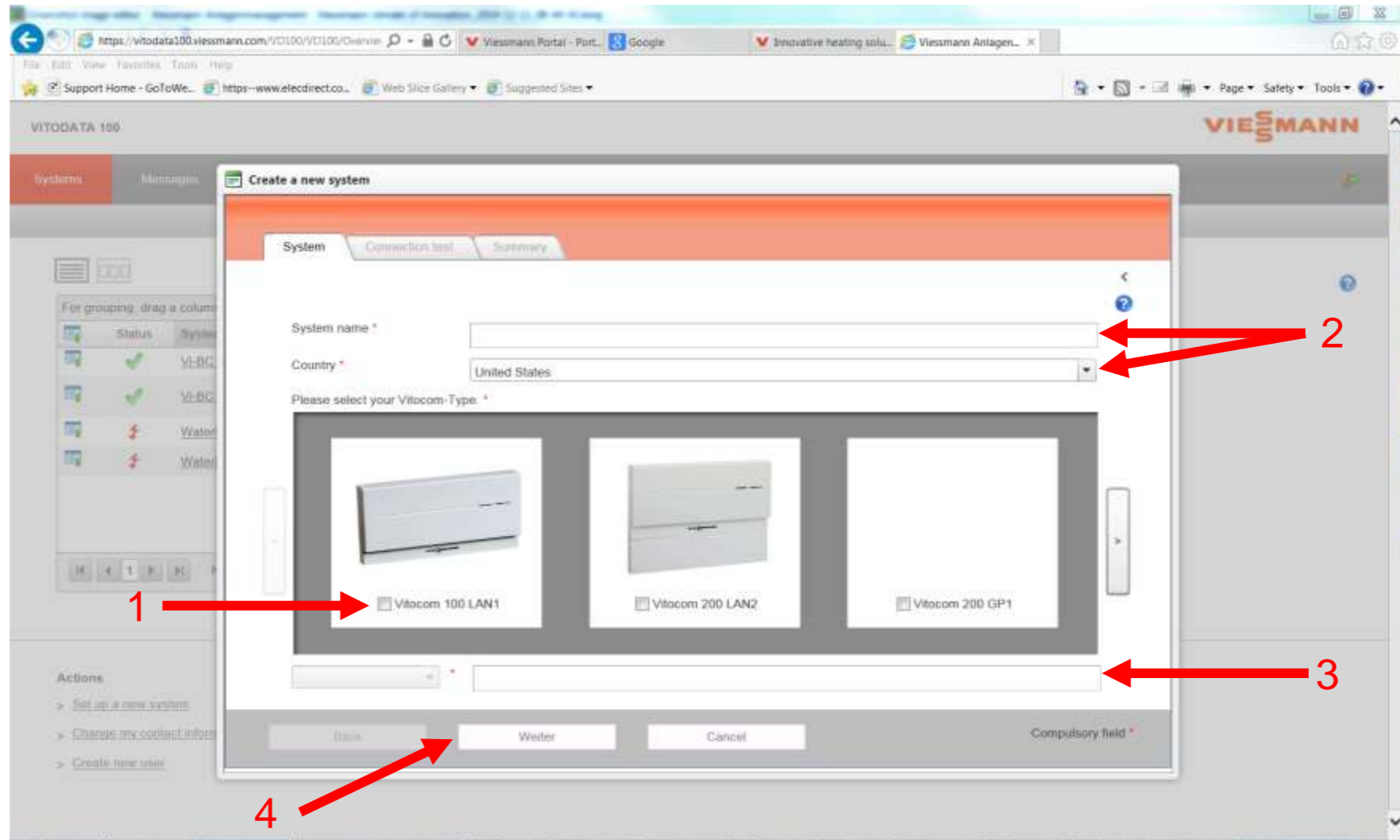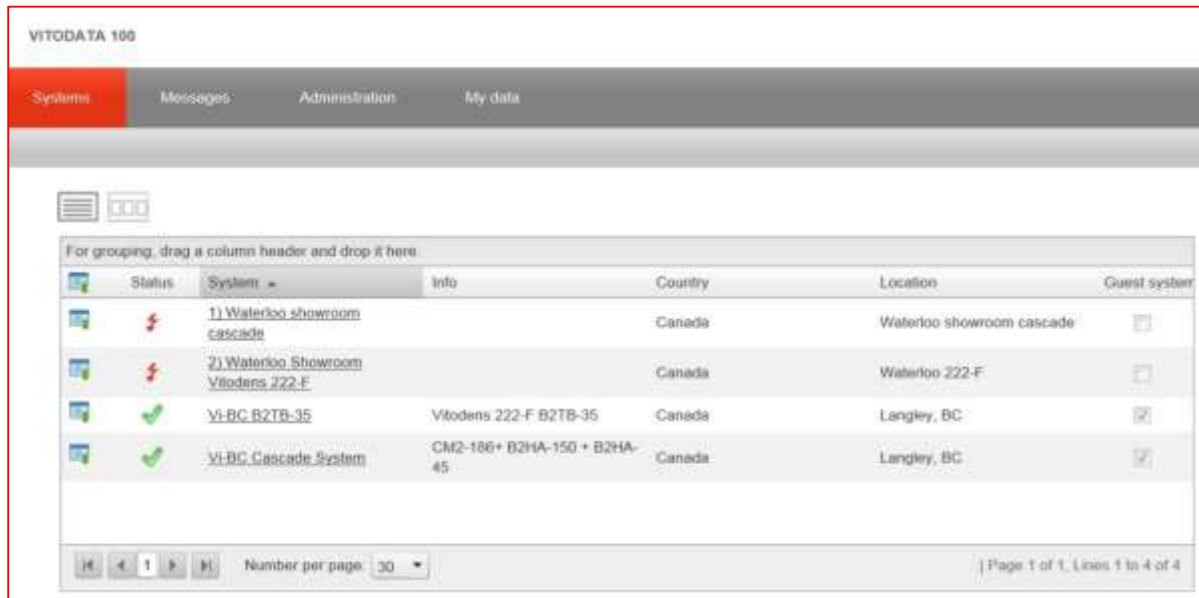
Vitodata Server
Setting Up New Users

- The account / system administrator can add new users as administrators or operators.

- They can also invite guests as operators to the account.

- Guests and users have access to all systems in the account except systems the administrator has been invited as a guest to.

Administrator
sees all system on the account
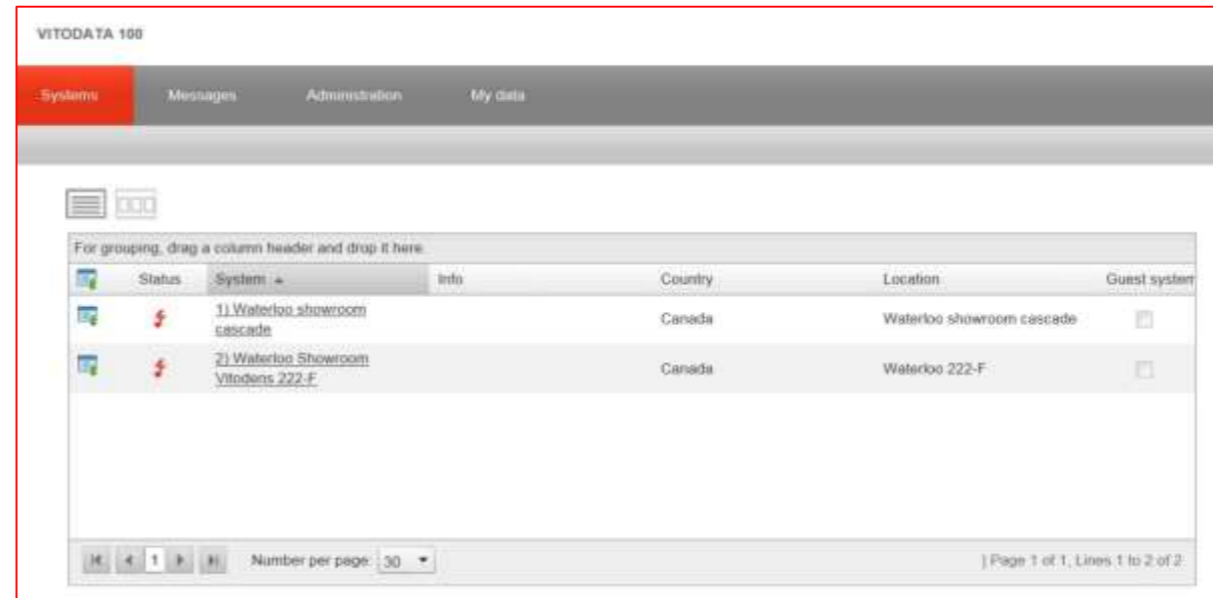
Operator or Invited Guest to an account
sees only systems on the
account they are invited to

Vitodata Server
Set Up A New User On The Account

- Click, "Create new user".

Vitodata Server
Set Up A New User, Or A Guest On The Account

- Users can also be set up from the administration page.
    - Here you can:
        - Add a user. Status can be set up as an operator or administrator.
        - Invite a guest. Status is guest

Vitodata Server
Set Up A New User On The Account

- Fill in the user information.

Vitodata Server
Set Up A Guest On The Account

- Fill in the user Email information.
    - The users email account must already be set up as a user on the Vitodata server.
    - After the invitation is sent, the invitee will receive an email that must be responded to in order to complete the invitation.

Note:
You do not have to add any systems
to set up an account
Systems can be added later.

Vitodata Server
Set Up A Guest On The Account

- Accepting an invitation.
    - After logging into the Vitodata 100 account, the user must accept the invitation for their system access to be activated.
    - The invitation is located under the "My Data", "Invitation" Tabs.

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Home screen

Extended menu button

Active heating program

Daytime operation

Room set point temperature

Outside air temperature

Party mode

Update status

Displayed heating circuit

Warmer/Cooler Adjustment

Economy mode

Help menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Party mode

- This is a one time extension of the daytime schedule. The boiler remains in a custom occupied setting while in party mode.

- Terminated automatically based on coding parameters that were set for party mode.

- Can be terminated manually by pressing Party mode again.

Vitotrol App
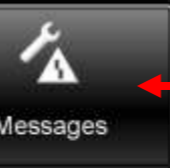## Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Eco mode

- This is a one time early termination of the daytime schedule. Boiler goes into unoccupied mode while in eco mode.

- Terminated automatically based on coding parameters that were set for Party mode.

- Can be terminated manually by pressing Eco mode again.
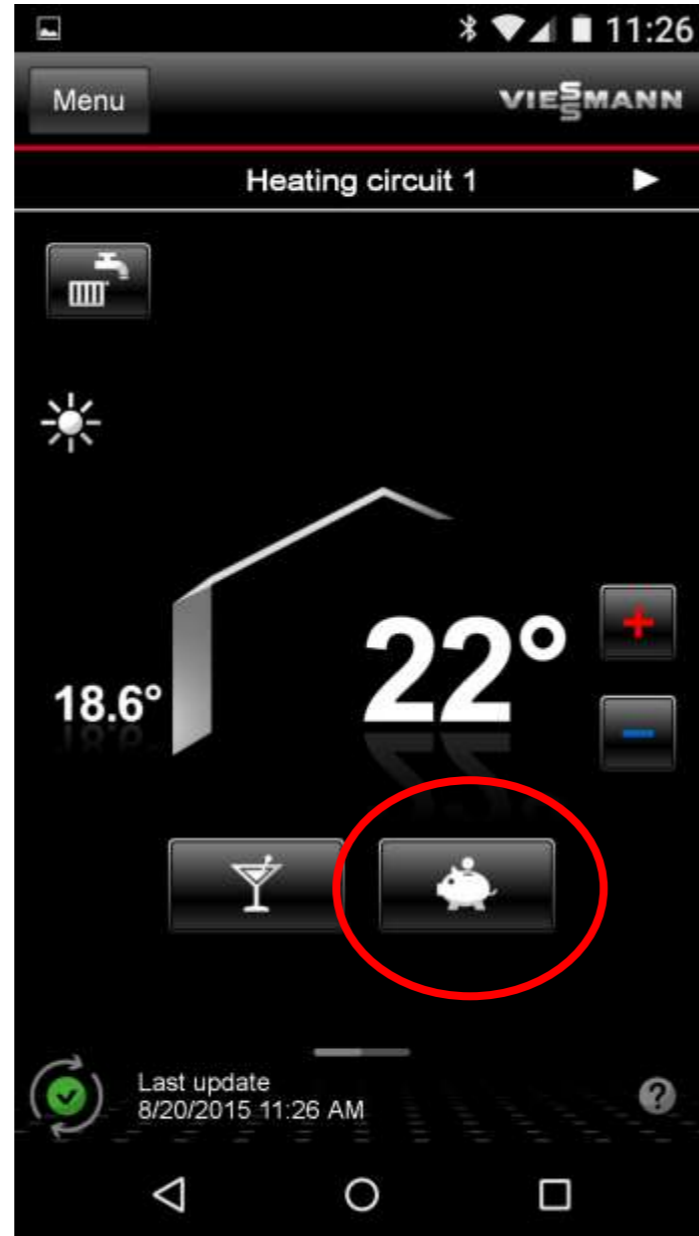
Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Extended Menu screen
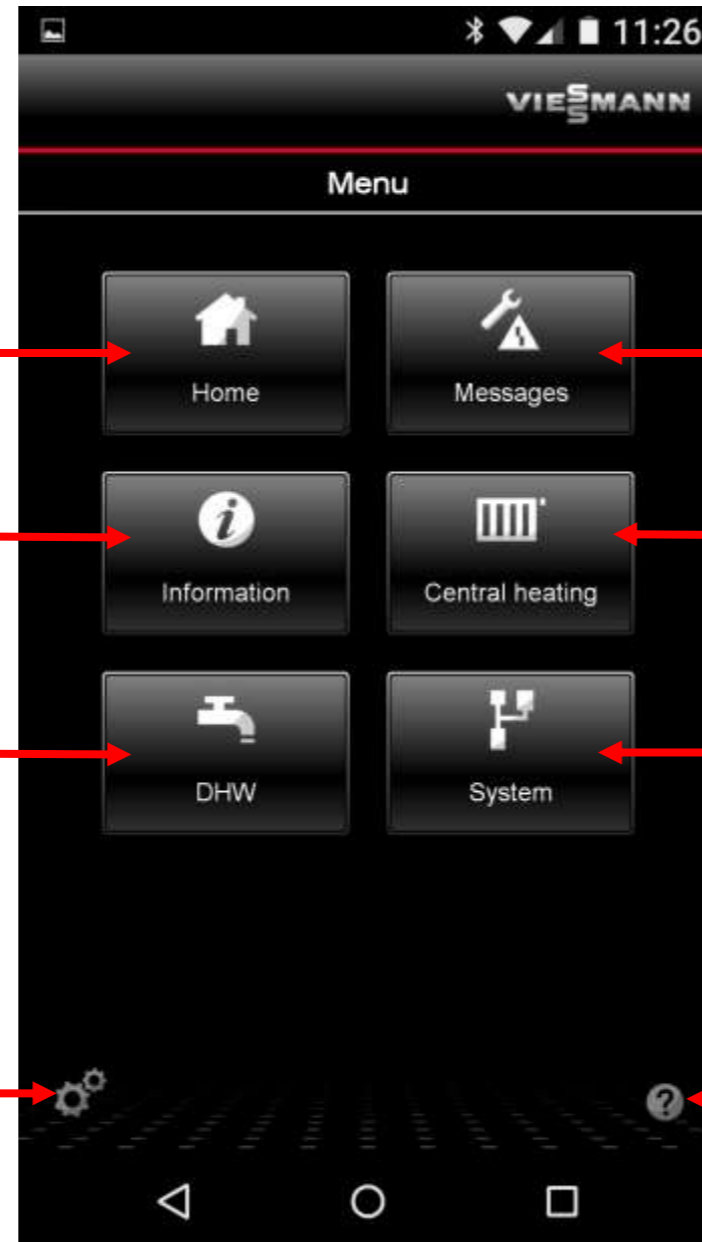
Home Screen
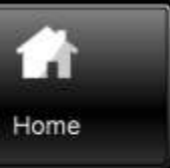
Information

DHW

App settings

Fault messages

Heating circuit information
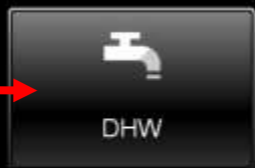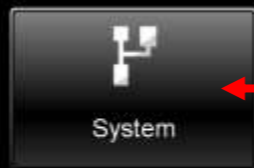
Change system being accessed

Help menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

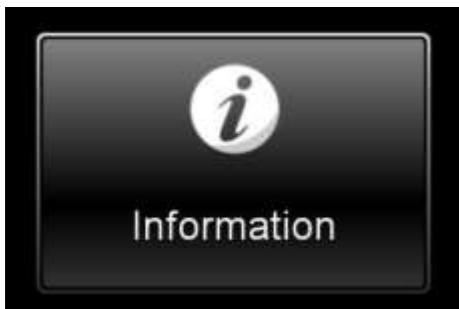## Information screen

Extended menu button

Information level
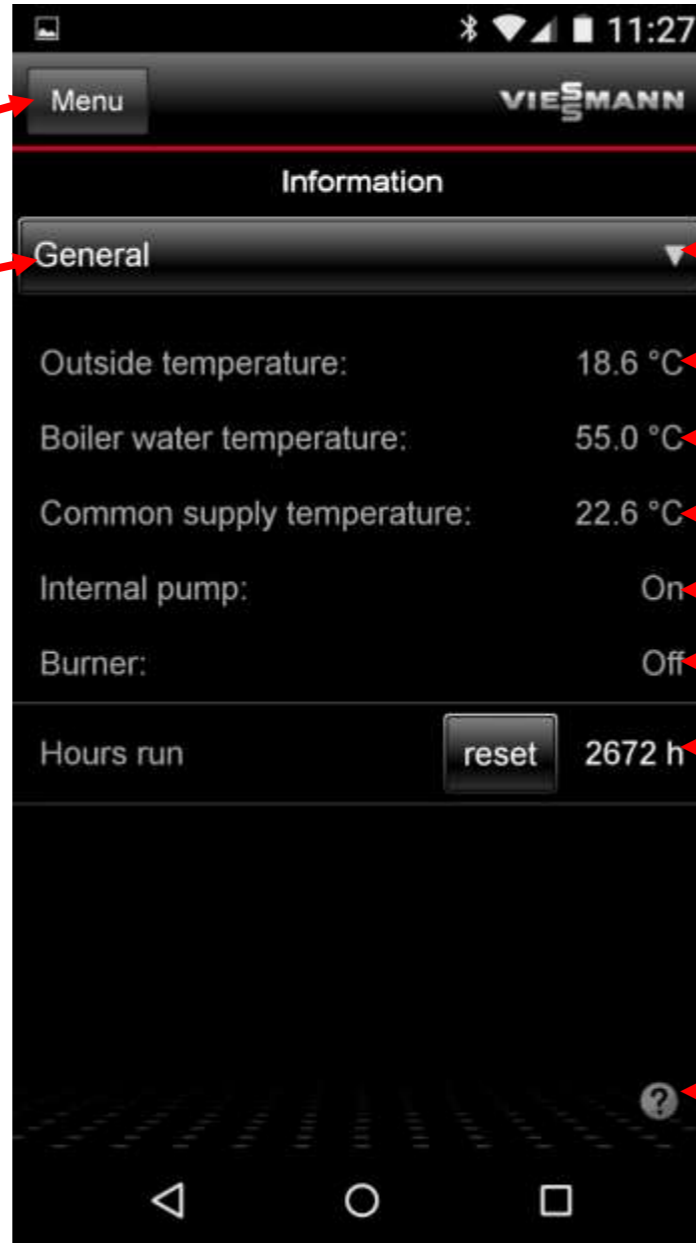
Change displayed level

Data

Run hours and reset

Help menu

Vitotrol App
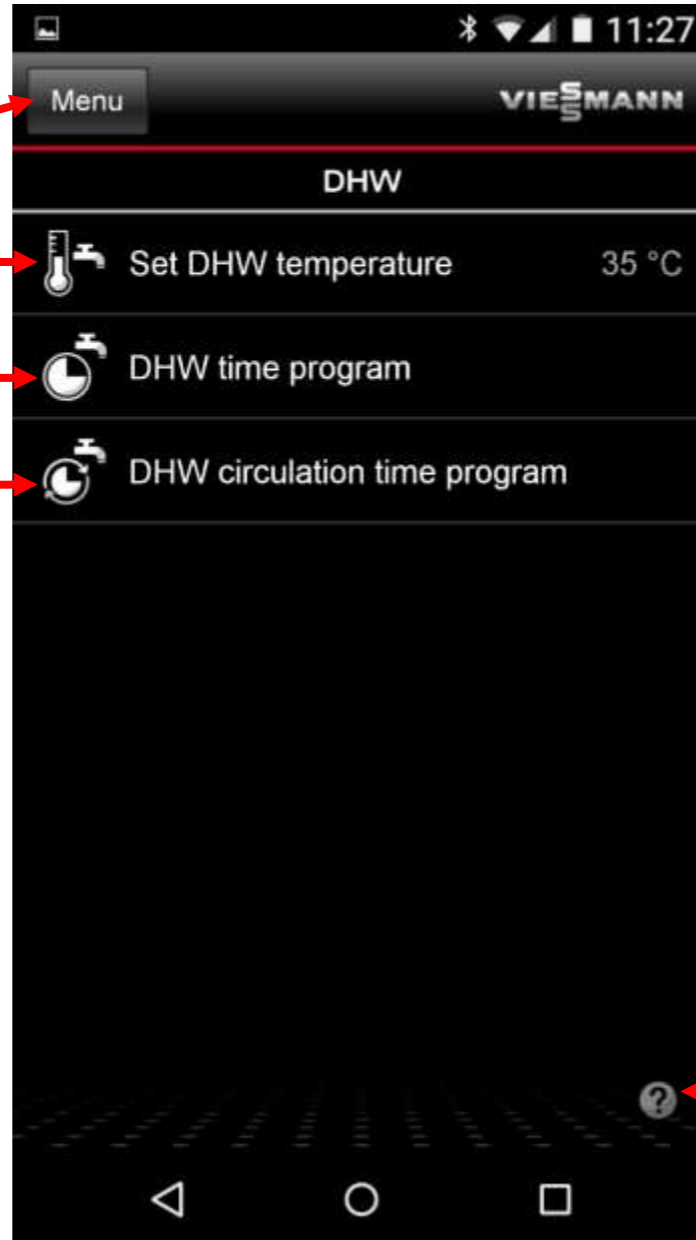Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

DHW screen

Extended menu button

DHW set point

DHW Schedule

DHW recirculation pump schedule
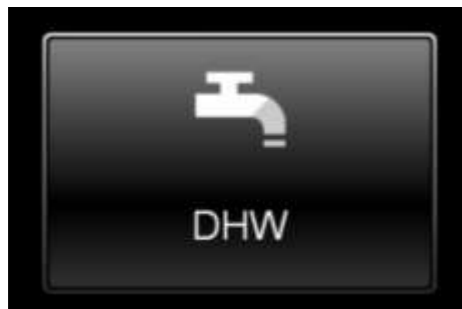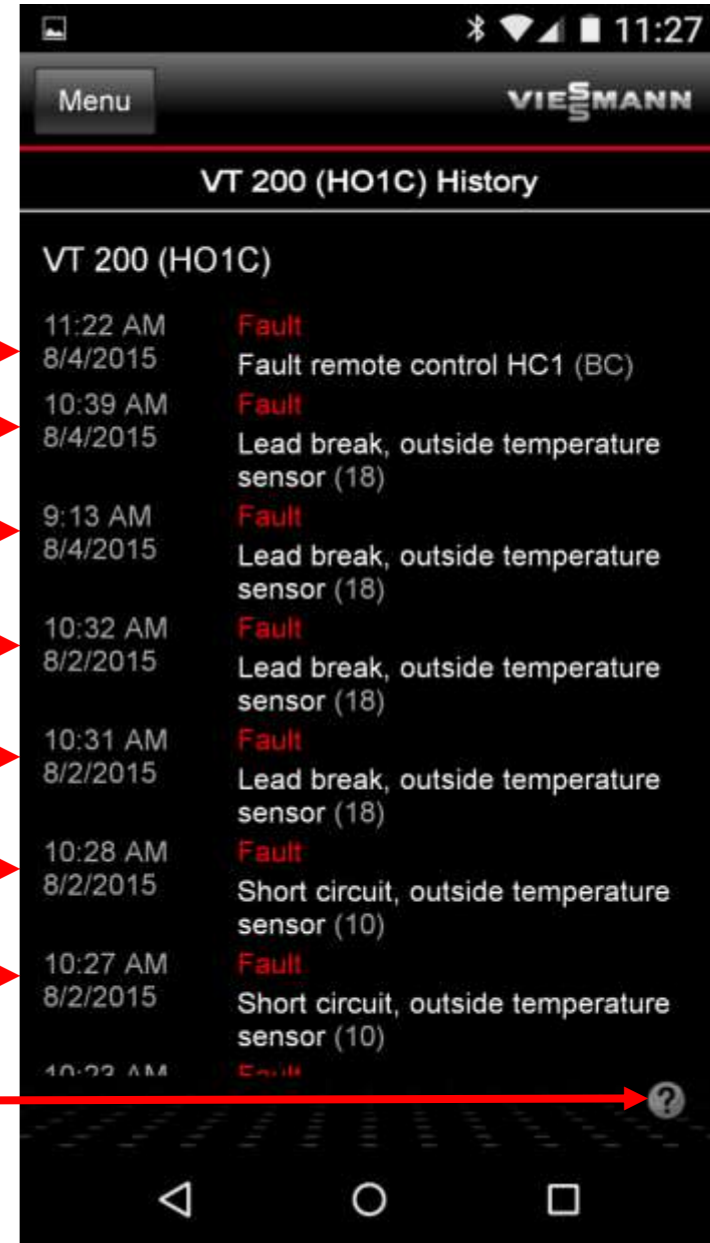

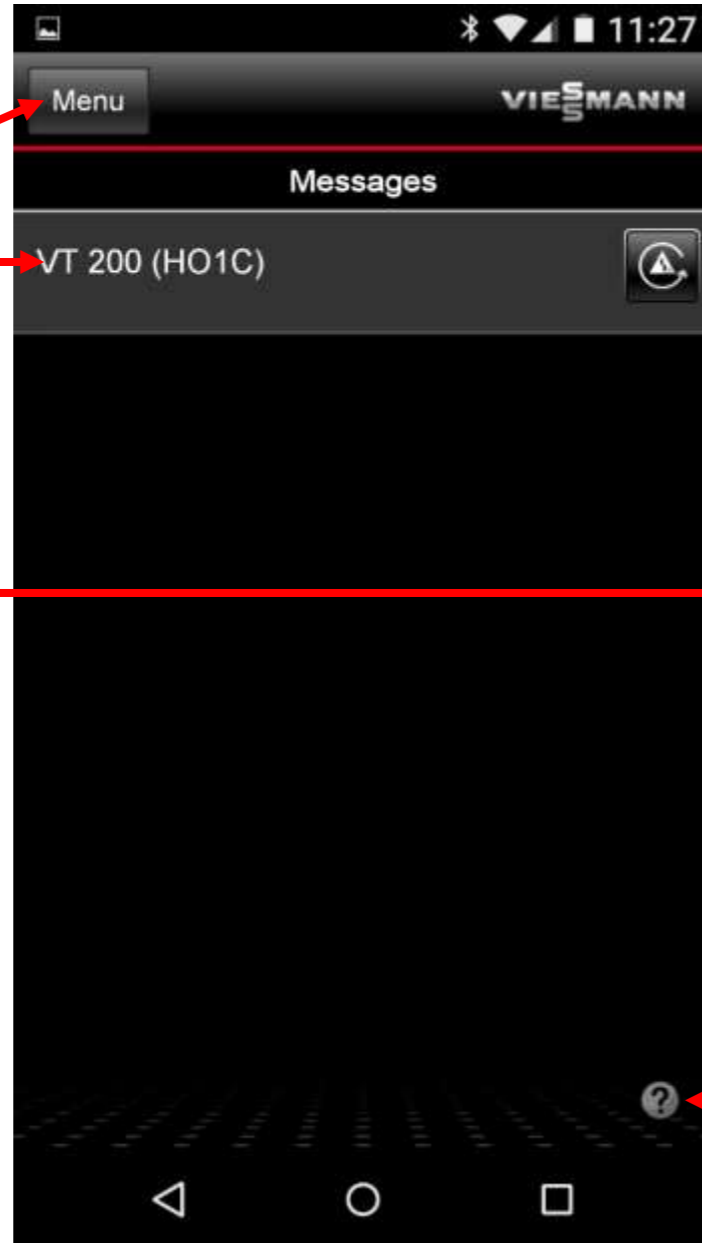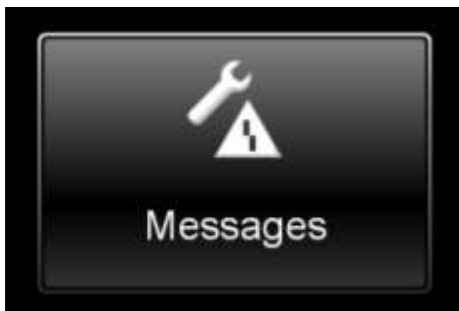Help menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Fault history screen

Extended menu button

Control selection

Fault history since
history list last reset

Help
menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Central heating
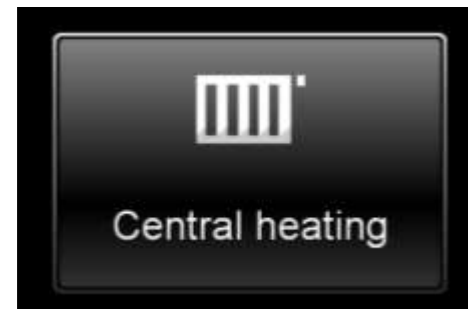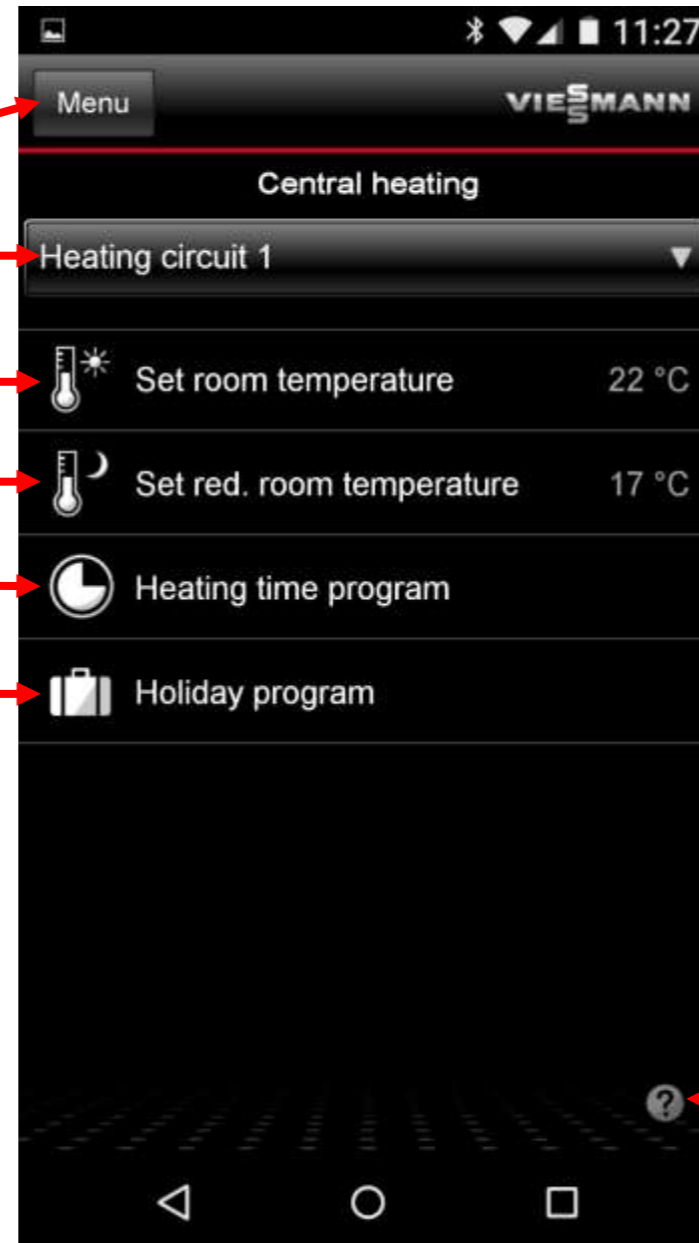
Extended menu button

Heating circuit

Room set point

Reduced room set point

Daily schedule

Holiday schedule

Help menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Daily schedule screen
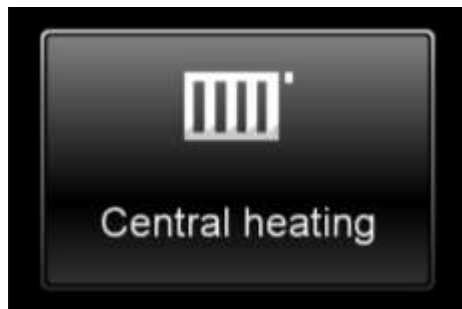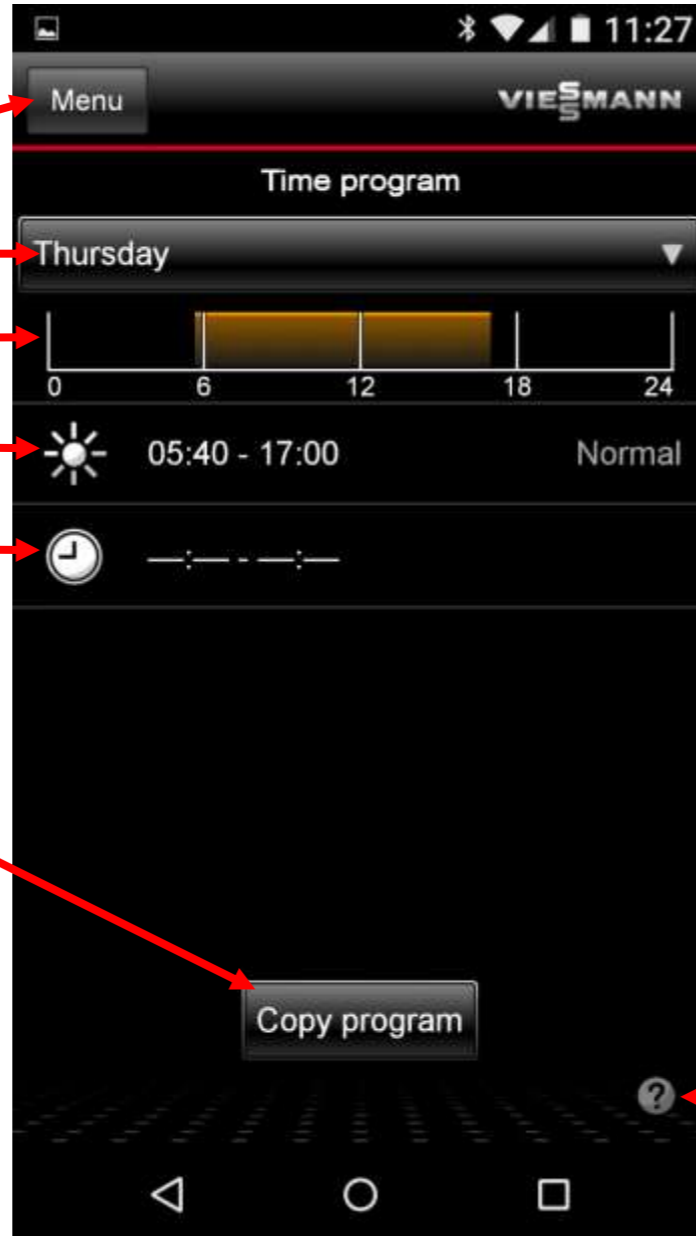
Extended menu button

Scheduled Day

Scheduled time graphic

Scheduled time Text

Next time block

Time block copy

Help menu

Vitotrol App
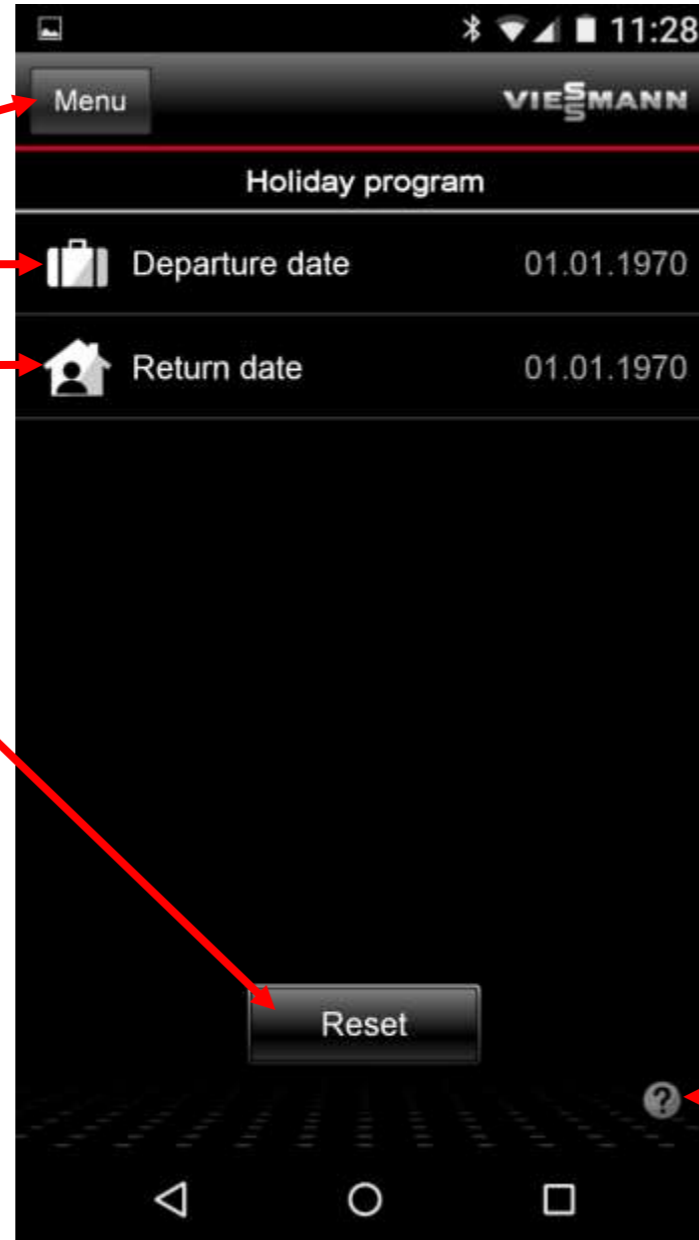## Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App

Holiday schedule screen
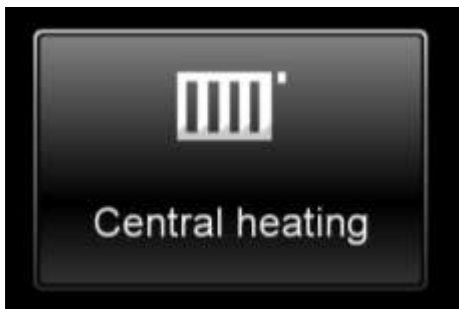
Extended menu button

Scheduled departure date

Scheduled return date

Cancel holiday schedule

Note:
Holiday schedule,
Starts at 00:00 on the departure day.
Ends at 00:00 on the return day

Help menu

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App
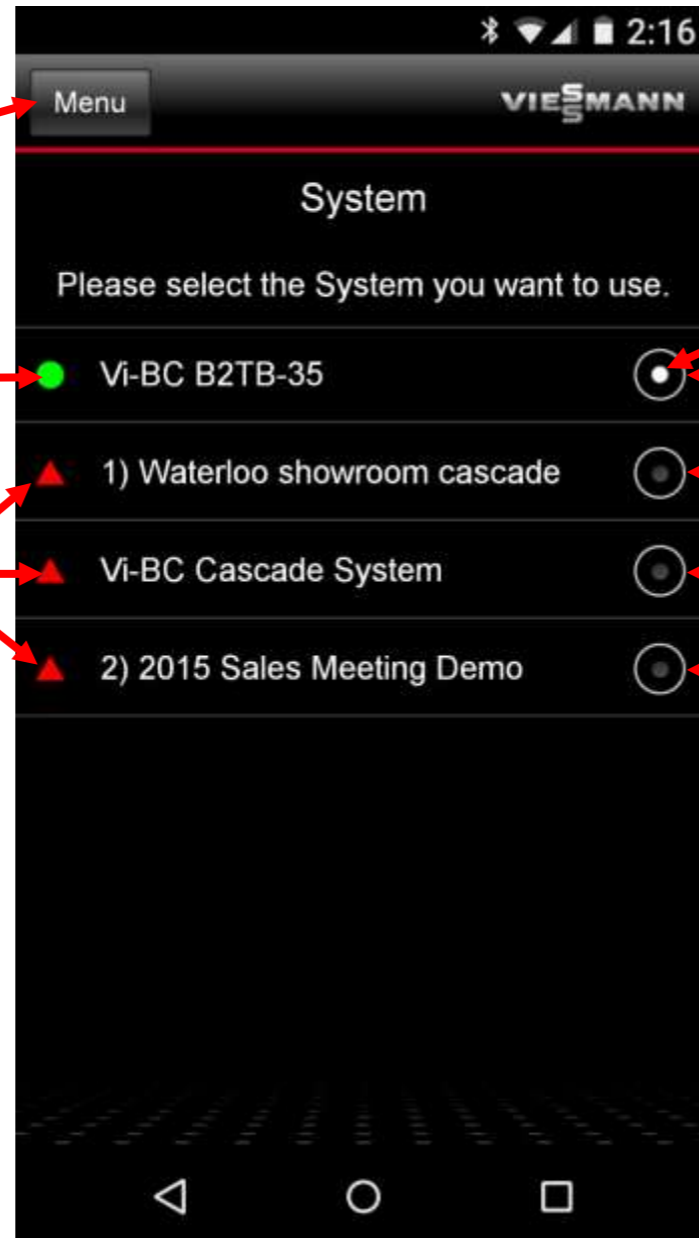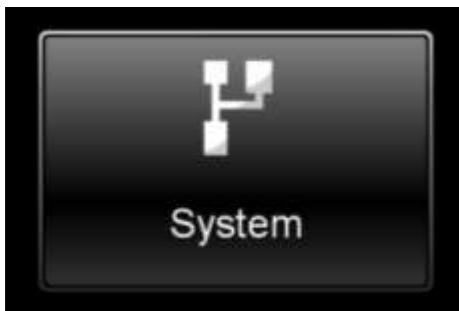
System selection screen

Extended menu button

System OK & accessible

System unavailable or in fault

System currently being accessed

Registered systems for the current user

Vitotrol App
Remote Access To Vitocom 100 LAN1 Equipped Systems Using The Vitotrol App
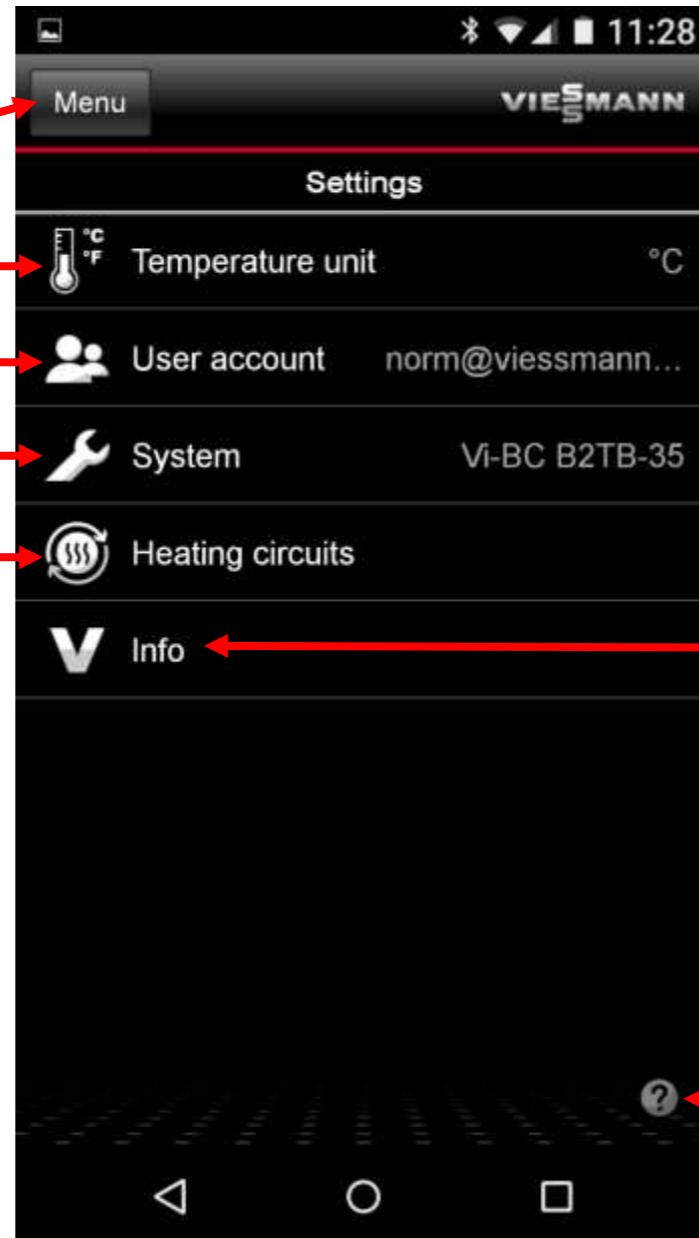
Setting screen

Extended menu button

Change temperature units

Login / Logout or Switch user

Selects system to be accessed

Changes viewable circuits and customizes heating circuit names

Information regarding the Vitotrol app and Viessmann

Help menu

Vitocom 100 LAN1, The Vitotrol App & Vitodata100.com
Access Your Viessmann System Online

**Vitocom 100 LAN1 - Vitotrol App
Boiler control from your smart phone**