OPERATING PROCEDURES
MANUAL HAND-HELD MICRO TERMINAL IQNAVIGATOR

GOLD RX/PX/CX/SD
Generation F

Swegon

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The document was originally written in Swedish.

We reserve the right to alter specifications without notice.

1.IQnavigator Hand-held Terminal

1.1 General

The hand-held terminal consists of a 7" capacitive touch screen with a 3 metre long cable for connection to the air handling unit's control circuit card by means of a quick-fit connector.

The hand-held terminal is switched on/off with an on/off button located on the top side of the terminal. If the hand-held terminal is not used for 45 minutes, it switches over to the sleep mode.

See the illustrations below for particulars of the connections, buttons and LEDs.

IQnavigator can be used outdoors, but it must be kept at a weatherproof place.

Data:

Operating temperature:	-20 - + 50C
Height from which it can be dropped without damage:	1 metre

Alarm indicating LED
Flashes red in event of an alarm

Light sensor

In operation indicating LED
Green steady glow while unit is operating

On/off button:

When the touch screen is at rest or is switched off:
Brief press of the On/Off button = touch screen awakens or starts up

When the touch screen is on:
Brief press of the On/Off button = touch screen at rest
Long press of the On/Off button = Question, "Do you want to power off IQnavigator?" is displayed, press OK, touch screen switches off

***N.B.!** When you disconnect the cable from IQnavigator, squeeze the connector so that you press in the catch inside the connector (hidden under the protective rubber covering).*

SD card

USB connection

RJ12 contact for future function

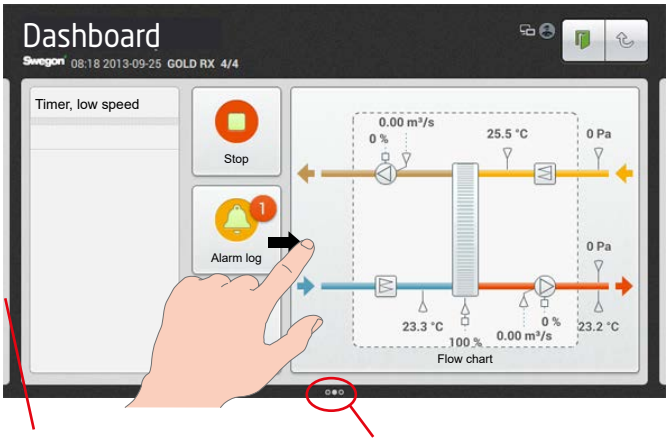
Headphone connection For future function

Connection for external power supply (accessory)

RJ45 connection for power and communication cable for IQnavigator (PoE) or connection to the network (requires a TBLZ-1-70 net adapter accessory)

1.2 How to use the micro terminal

When a light grey surface is displayed to the right and/or to the left on the touch screen and an image indication is displayed at the bottom edge, this indicates that it is possible to navigate to one side or both sides.



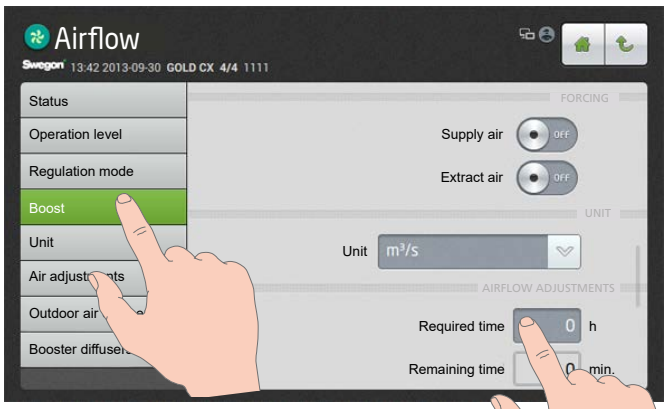
Light grey surface

Image indication (In this case the screen indicates that it is possible to navigate to both sides)

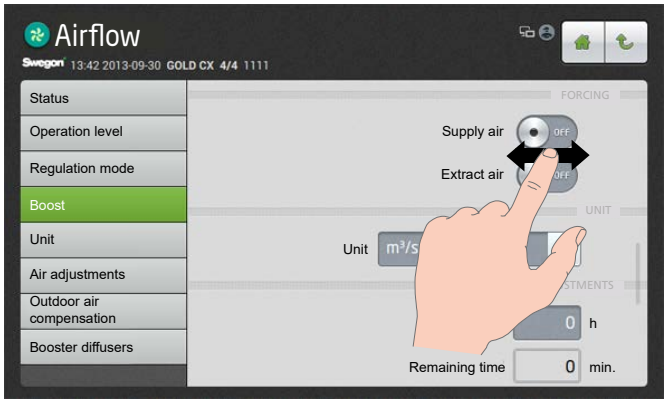
When a scroll bar is displayed on the touch screen, the screen's content can be scrolled upward or downward.

Scroll bar

Press the object you want to open or highlight.



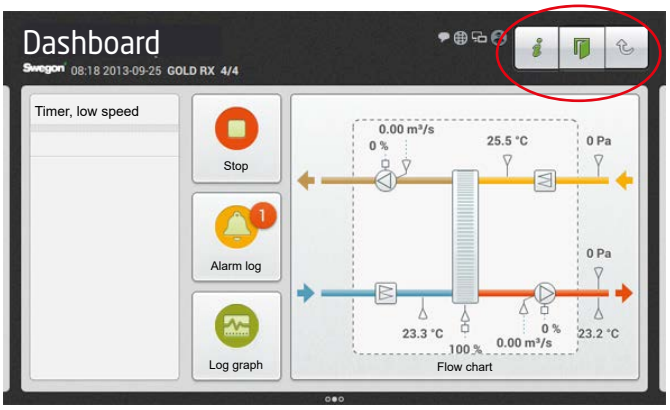
When the On/Off button is displayed on the touch screen, drag or point to it so that it shows the required position.



We reserve the right to alter specifications without notice.

1.3 Buttons

Buttons along the upper edge of the touch screen have the following functions:



Press this button to log out.

Press this button to go one step upward in the image tree.

Press this button to close a window and to return to a previously displayed object.

Press this button to return to the dashboard.

Help texts for functions and alarms.

1.4 Indicator symbols

Hand-held terminal connected.

The hand-held terminal has no connection.

Not logged on

Logged on user (local)

Logged on installation

Indicates that the web page is active

Indicates that some communication protocol is activated

The current time/date, type of air handling unit and the name of the plant are displayed along the upper edge of the touch screen. See also Section 4.10.1 in the Function Manual, Installation.

1.5 Keyboard

The value that can be changed is highlighted in grey. A keyboard is displayed at the lower edge of the touch screen when you log on and enter settings.

A value you want to change can be highlighted by pressing it on the touch screen.

Then enter the required value and save it by pressing on the Done button.

The function of the buttons:

Decimal point

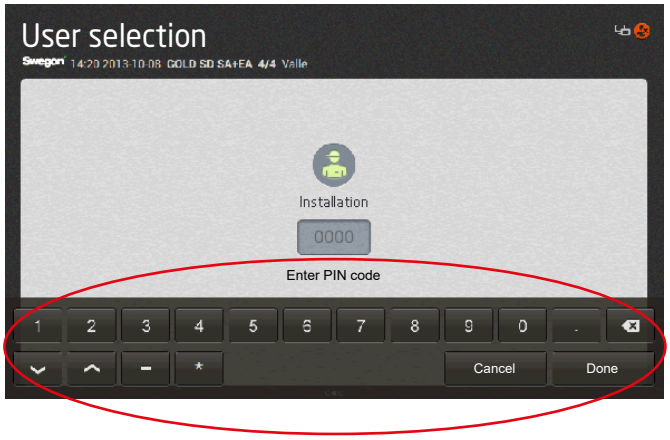
Deletes previous character

Decreases the highlighted value

Increases the highlighted value

Minus sign.
Used for writing negative values.

Unspecified value.
Used for the time and schedule function.



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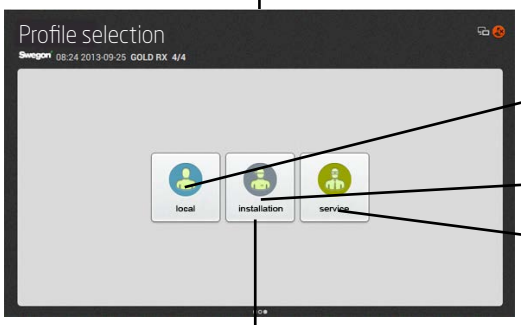
2. Image Management

Start-up image

Select required language (displayed when starting for first time). See Section 4.2.1.

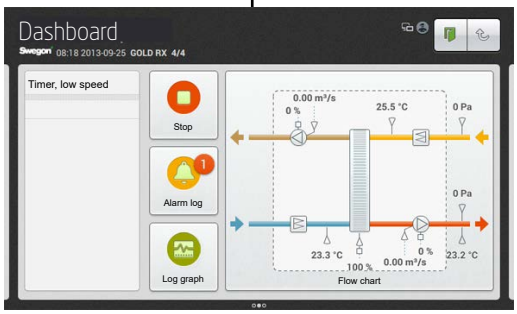


Select the required authorization level.

local (user). See Function Manual, Users.
No access code is required.

installation. See Function Manual, Installation.
Code (=1111) is required for access to this image group

service.
Code and special training are required for access to this image group.



Dashboard. See Section 2.2.

N.B.! The appearance of the image varies depending on the type of air handling unit and functions selected.

2.1 Selection of language

When the air handling unit starts up for the first time, a language selection image is displayed. Select required language and press OK.

If you want to change to a different language later on – or if you've selected the wrong language – you can change the language under Functions in the hand-held terminal. See Section 3.7 in the Function Manual, Users.

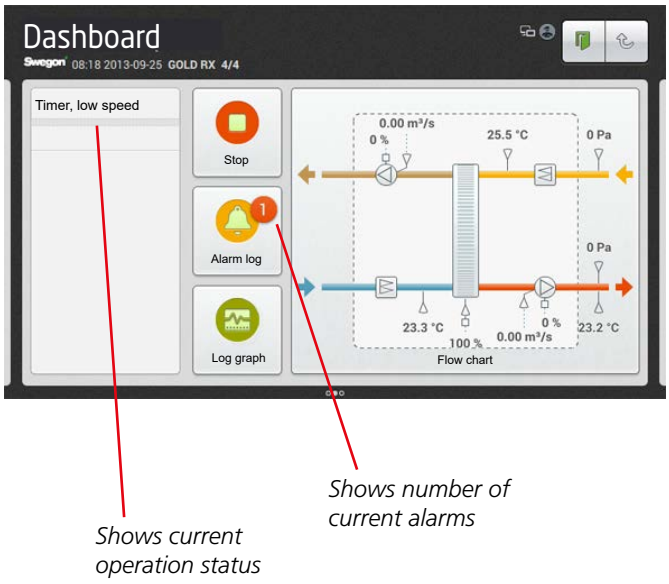
2.2 Dashboard

2.2.1 General

The dashboard is normally displayed if no other image has been selected.

The touch screen switches to the sleep mode after 45 minutes. To leave the sleep mode, press on the touchscreen's On/Off button.

The content in the flow chart changes depending on the selected type of air handling unit and other functions that affect the relevant operating conditions.



Shows current operation status

Shows number of current alarms

2.2.2 To change the operating mode

You can start and stop the air handling unit or change over to manual or automatic operation from the dashboard.

The air handling unit should normally be started and stopped from the hand-held terminal; not by switching the safety isolating switch on and off.

2.2.3 Alarm log

Active alarms, pending alarms and alarm history (50 latest) can be viewed under Alarm log. See also Section 5 in the Operating & Maintenance Instructions.

It is also possible to get in-depth information about active alarms on the touch screen.

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2.2.4 Log diagram

An SD card must be fitted into the air handling unit's control circuit card (installed from the factory) in order to make this function possible. Does not apply to the real time log.

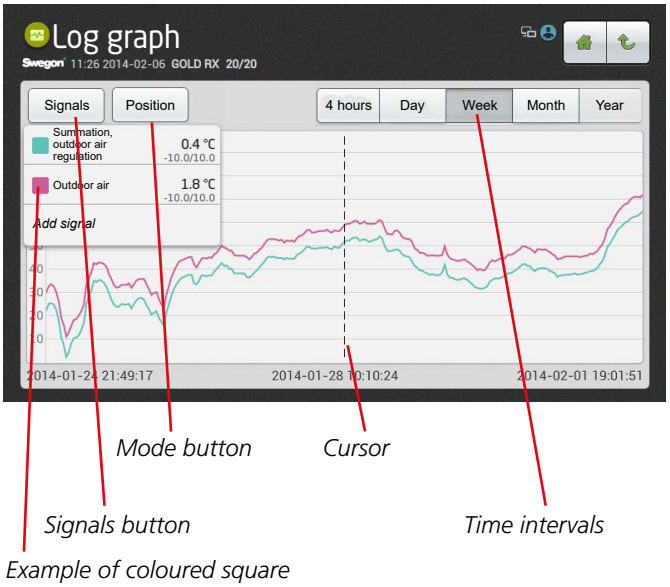
Under "Log diagram", a number of signals can be read in diagram form. Up to four signals can be freely selected and read in the list under the "Signals" button. The log diagram's time interval can be selected as follows: 4 hours, day, week, month or year.

In the list under the "Signals" button, you can also choose to mark one of the signals to display it with a thicker line in the log diagram. This is done by tapping the desired coloured square.

The program automatically adjusts the resolution of the signals. The means that the program adapts the amplitude of the signal to the height of the diagram within the selected time interval.

The Log diagram can be selected in two types: History or Real time, under the "Mode" button.

The cursor of the diagram is fixed and the time line can be moved by scrolling to the right or to the left.



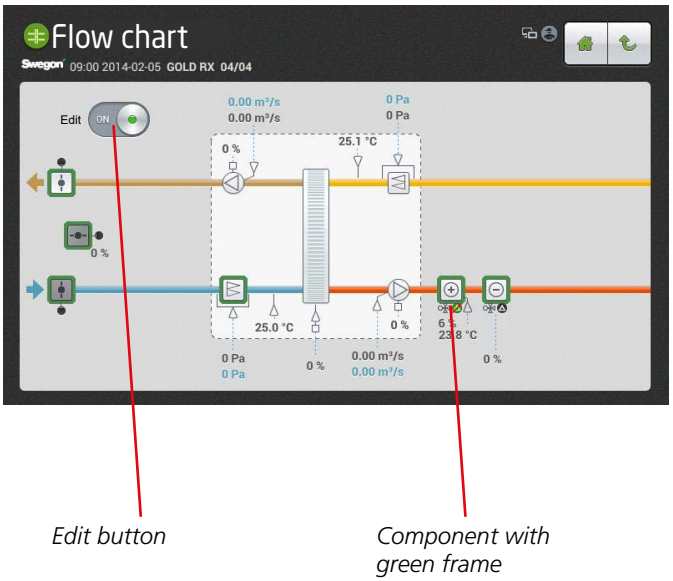
2.2.5 Flow chart

The flow chart can be displayed in full screen by tapping the Flow chart heading.

Setting the Edit button to ON makes the flow chart editable.

The positions of all the components marked with a green frame are interchangeable, for example the mutual order between the air heater and the air cooler. Place your finger on the relevant component, drag it to the desired position and lift your finger. The circulation pump of the air heater can be hidden by clicking on the air heater symbol.

The grey-marked components with green frame are inactive. These can be activated by tapping the desired component.



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