

Tap here to display the „History View“ of past activity in the room.

Time of most recent activity.

Active: Person is active in the room.

List of previous alarms. Tap on a red symbol to confirm when assistance is provided. Symbol changes from red to grey. Tap on grey events to replay. All events vanish after one day.

Online: Currently no activity in the room.

Auto-Enable: Sensor floor re-activates automatically after timer has expired.

Fall: Person lies on the floor! Immediate assistance required!

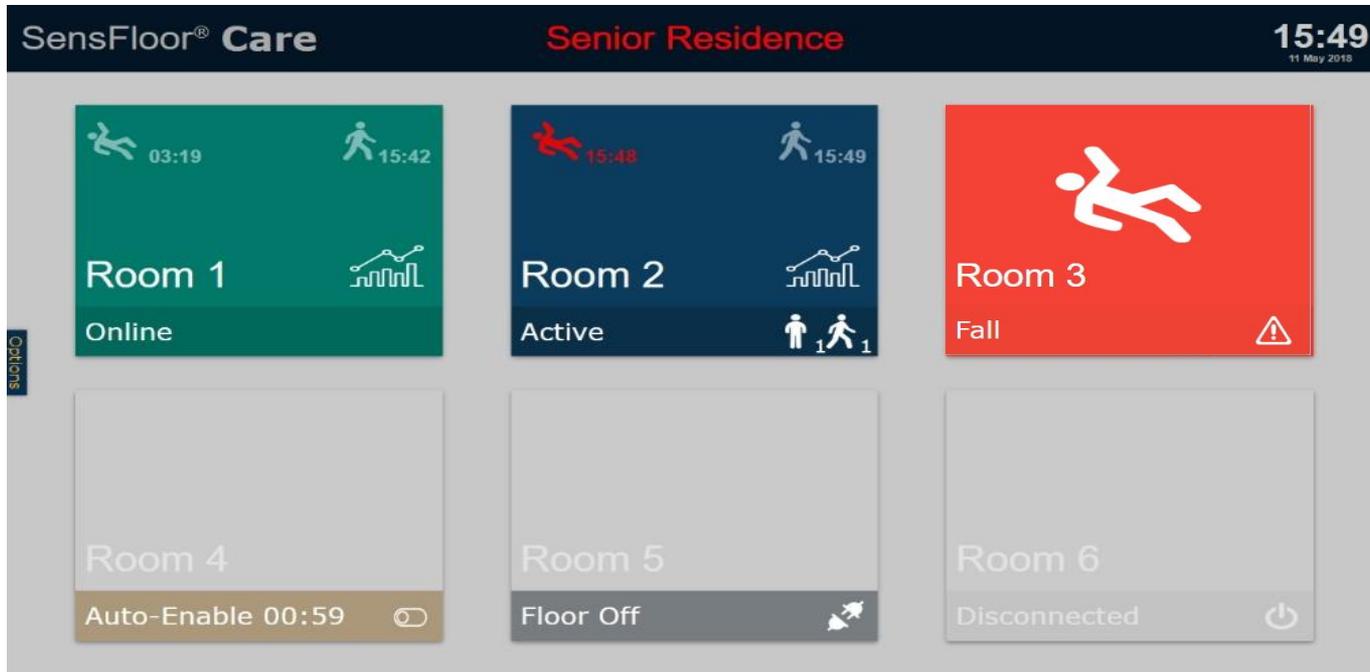
Disconnected: Error state (connection problem). Please contact service!

Floor Off: Floor was turned off by fuse or key switch in the room. No re-activation through the interface possible.

Number and state of people in the room (standing, walking, fallen).

Tap name to view „Live View“ of the room

Tap here to activate/deactivate the sensor floor manually (e.g. during cleaning). For permanent deactivation use the options menu.



Icons

Time of last activity.



Tap to see statistics of this room.



Most recent alarm. Tap when care is provided.



Tap to go to live view



Tap to see list of alarms. Care has been provided. Tap recent alarm to playback.



Colors

No activity in the room.



Person has left the room.



Activity in the room.



Person has left the bed.



Fall in the room! Immediate care is required!



SensFloor function is temporarily not available.



State bar

One person moving in room.



External sensor active (e.g. bathroom occupied).



SensFloor® is switched off. Reactivate in the options menu!



One non-moving person.



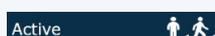
Tapping on state bar temporarily deactivates SensFloor® (e.g. for cleaning). Reactivates after indicated time or by tapping.



SensFloor is disconnected from power (e.g. by key switch). No activation via terminal possible!



One person moving, one person not moving.



SensFloor® recalibrates.



No connection to room terminal. Call service!



The screenshot displays the SensFloor Care interface for a Senior Residence. The main area shows a grid of six room cards, each labeled 'Room 1' through 'Room 6', with a status of 'Online'. Each card features a person icon and a line graph icon, both with a '10:15' timestamp. A vertical 'Options' label is positioned between the first and second columns of room cards. On the left, a configuration panel is open, showing 'System On/Off' for Rooms 1-6 (all switches are on), 'Alarm Sounds' for various events (all switches are off), and an 'Alarms Configuration' button.

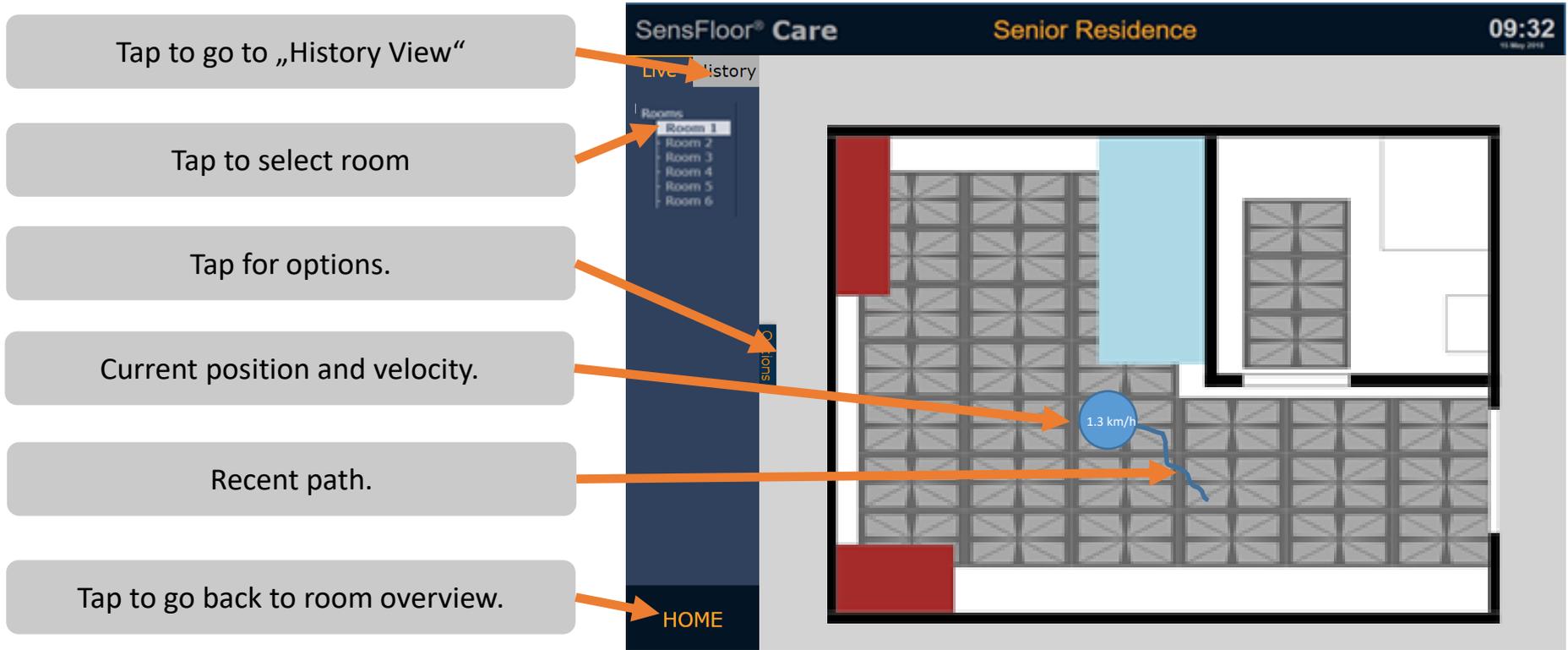
- By tapping on the „Options“ label in the room overview, a configuration panel can be shown or hidden.
- Here, the SensFloor System of any room can be switched off. Unlike when tapping a room’s taskbar, no auto enable function will switch on the system automatically. Therefore, the user is responsible for re-activating the system!
- Individual sounds for some alarms can be switched on separately. A monitor with loudspeaker is required for this to work. This function does not replace a dedicated nurse call system!
- By tapping on „Alarms Configuration“, the alarms of individual rooms can be switched on or off, and time windows can be defined for each (e.g. "Bed Out" alarm during the night only).

The screenshot shows the 'Alarms Configuration' screen for 'Senior Residence'. On the left, a list of rooms (Room 1 to Room 5) is displayed, each with '4/4 alarms enabled' and icons for different alarm types. Room 3 is selected and highlighted in black. On the right, the configuration for Room 3 is shown, including a dropdown menu for '4: Bed Out', a toggle for 'Alarm Enabled', a checkbox for 'Alarm is active during', and a time window selector set from '00:00' to '23:45'. A large 'Update Room Alarms' button is at the bottom. A 'HOME' button is in the bottom left corner. The top right shows the time '10:08' on '5 Oct. 2018'.

Callout Boxes:

- Tap to select a room.
- Number of alarms enabled.
- Icons of all configured alarms. Disabled ones are greyed out.
- Go back to room overview.
- Select any of the predefined alarms.
- Enable or disable alarm.
- Enable or disable time window.
- Select time window.
- Apply changes for this room.

- Users can enable or disable one or more of the preconfigured alarms for each room separately. If many rooms exist, the room list can be scrolled.
- Each alarm can be limited to a selectable period of time (e.g. at night).
- In the list of rooms, icons indicate the alarms' status for each room (white=enabled, grey=disabled, clock symbol=time window defined).
- Changes of the configuration for each room must be registered by tapping „Update Room Alarms“ before selecting the next room.



- When tapping on the room name in the room overview, a live view of the room is shown.
- People in the room are shown as moving circles together with their current velocity and recent path.
- Falls are indicated by means of a red background and an indication of the location of the fall.
- Either by tapping on the „History“ tab, or from the room overview by tapping the  symbol, the „History View“ can be accessed.

Show or hide details of the view.
 „Count“ shows statistics about visited areas in the room.
 „Game“ makes use of SensFloor as a simple chasing game.
 Show or hide details of a fall event.
 Activates sounds for the listed events (monitor with loudspeaker required).
 Special functions for demo setups.
 Rendering speed. Best value depends on complexity and size of SensFloor installation.

Options
Tracking
 Groundplan
 Sensfloor
 Activity
 Centroids
 Clusters
 Info
 Hulls
 Objects
 Trails
 Speed
 Steps
 Count
 Game
Falls
 Hulls
 OBB
 Falls
Sound
 Steps
 Falls
 Game
Display
 Screensaver
 Proc. Time
Rendering
 Smoothest
 Smooth
 Fast
 Fastest

- By tapping the "Options" label, in the live view, a configuration ribbon can be shown or hidden. **These options are for experienced users only and do not have to be changed in the default care application!**
- Aspects of the live view can be changed by ticking the corresponding options.
- For demo puposes, some special views can be activated ("Counting", "Game", "Screensaver").
- The user can control if and how falls are displayed in the live view (independent of the room overview).

Days and period to analyse (current day and time is default).

Tap to select either timeline or calendar mode

Activity: select % of active time or number of people
Alarms: display all alarms or select type.

Tap to go to „Live View“.

Tap to select room.

Tap for overview (default), analysis (History), playback or reporting of activity in the room.

Accumulated data of all periods.

Data for every single period (default is current day only).

Tap to go back to room overview.



- When selecting "History" from room overview or live view, data for the current day is downloaded from the room and displayed as % of active time in the room.
- Change days and time domain (period) to analyse (see next page).
- Data is shown for each day and accumulated over full period (same time domain).
- Select type and corresponding subtype of data.

Average % of activity or sum of people/alarms (depends on data type and subtype selected in „Overview Options“).

Shortcuts to History, Playback and Report for this period.

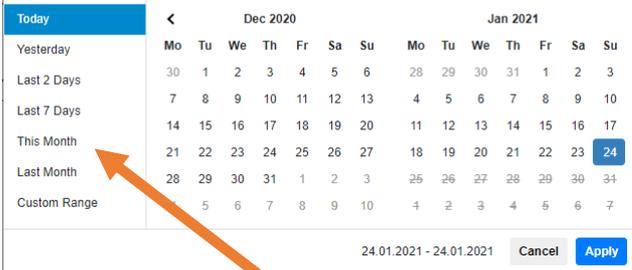
Ward Terminal Quick Start – History – Select Period

Tap to select periods and set of days to analyse.

Tap „Date Range“ to display calendar. Tap first and last day to analyse. Tap „Apply“.

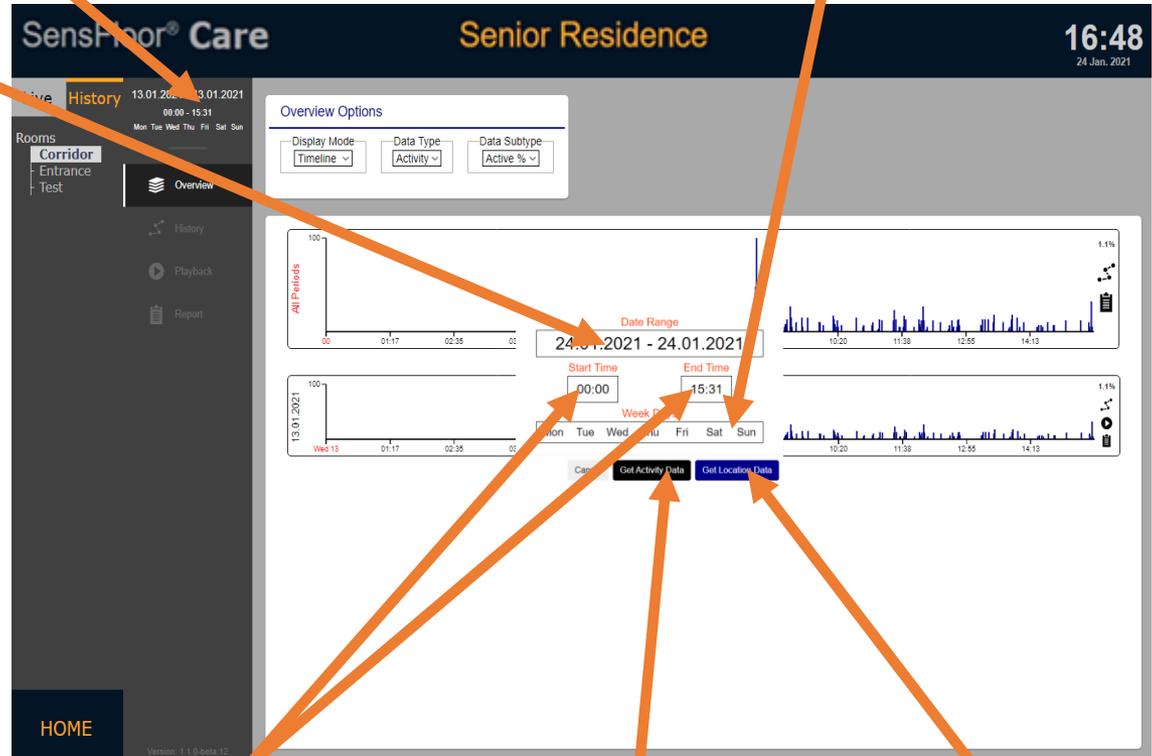
Date Range

24.01.2021 - 24.01.2021



Tap on these shortcuts to quickly select a set of days.

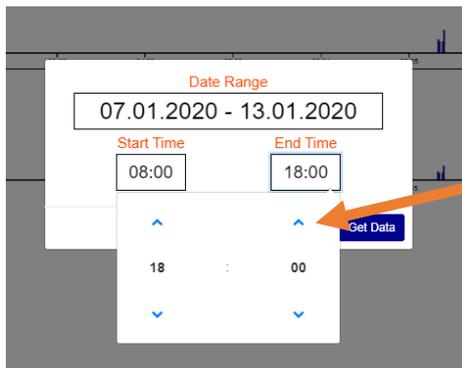
Tap to include or exclude week days from the selected set of days.

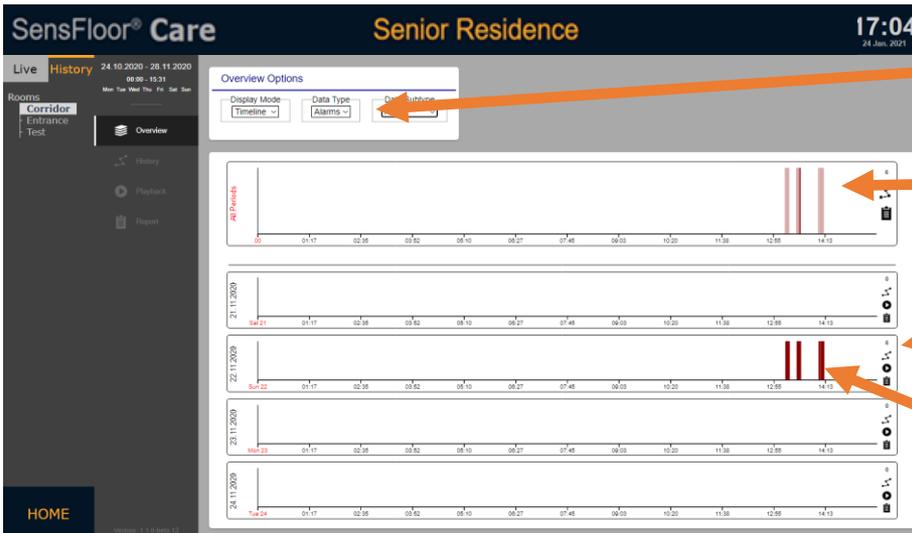


Tap to choose start and end time of day from scroll arrows or by clicking on the numbers. The selected period is the same for all selected days of the calendar.

Tap to download only event data (e.g., alarms).

Tap to download location data for the period from the room to the ward terminal. Download time depends on length of period.



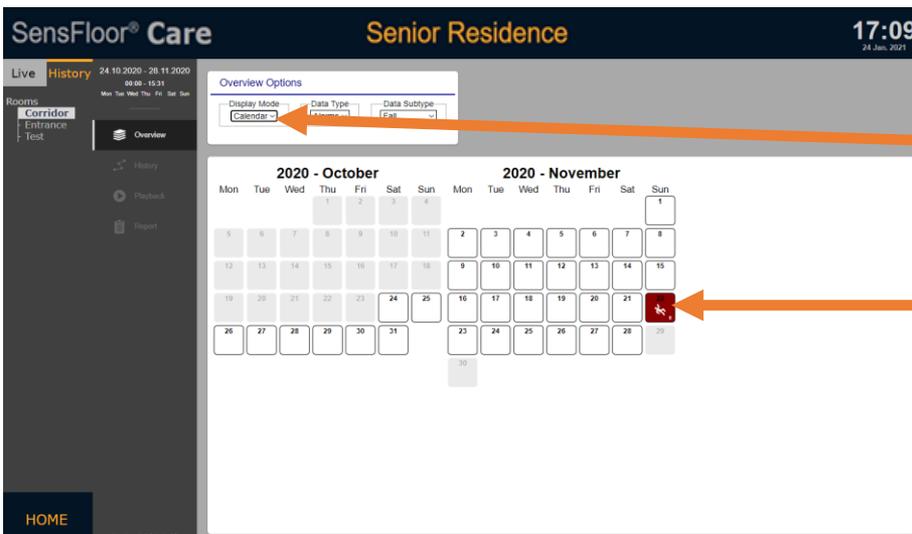


Data type „Alarms“ and subtype „Fall are selected.

This panel shows all alarms of this type in all periods for the whole set of days.

These panels shows all alarms of this type for single days (scrollable).

Each alarm is indicated by a vertical line at the corresponding point in time. If data subtype „All“ is selected the alarms are indicated in grey color otherwise they show the color of the alarm.



Calendar view is selected.

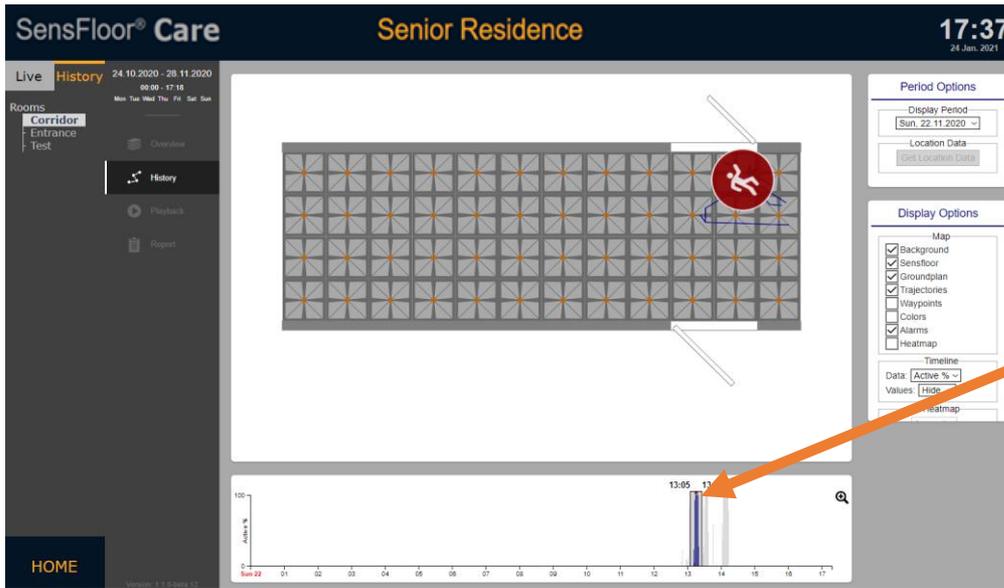
All days of the set are shown in white if no alarm happened or in the alarm color if alarms of the selected type occurred.

The screenshot shows the SensFloor Care interface for a 'Senior Residence'. The main view is a groundplan with a grid and various colored lines representing movement pathways. Several red circular icons with a white person symbol are placed on the grid, indicating alarm events. A timeline at the bottom shows activity levels over a 24-hour period, with a bar chart and colored dots on top of the bars. On the right side, there are two panels: 'Period Opti' and 'Display Options'. The 'Period Opti' panel has a 'Display Period' dropdown set to 'Sun, 22.11.2020' and a 'Get Location Data' button. The 'Display Options' panel has checkboxes for 'Background', 'Sensor', 'Groundplan', 'Trajectories', 'Waypoints', 'Colors', 'Alarms', and 'Heatmap'. Below these are 'Timing' options for 'Data' (set to 'Active %') and 'Values' (set to 'Hide').

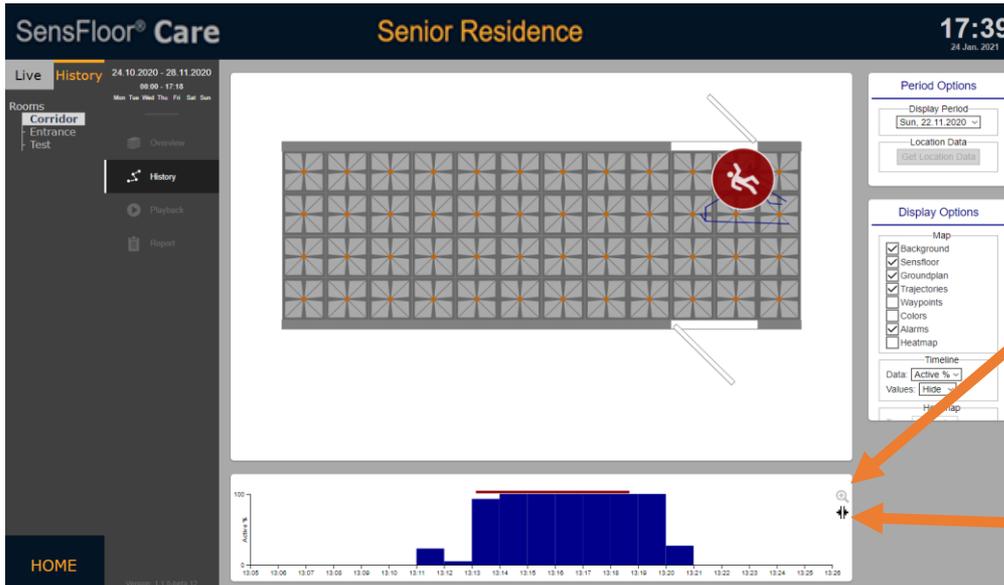
Callout boxes with arrows pointing to the interface:

- Tap to view history data in groundplan.
- Locations of alarm events.
- Movement pathways.
- Select period to analyse.
- Tick to display groundplan, SensFloor, trajectories and/or alarm event locations.
- Select data type to display in the timeline.
- Depending on selected data type either activity or number of people is indicated in the timeline.
- Alarms are indicated as colored dots on top of the bars.

- The "History"-tab shows details about the movement of people and locations of alarm events in the room.
- Event locations are indicated by the corresponding symbol and color
- By default, all data for the selected day is shown at once. For clarity, items can be removed from the display.
- The time window of data to be displayed can be narrowed (see next page).

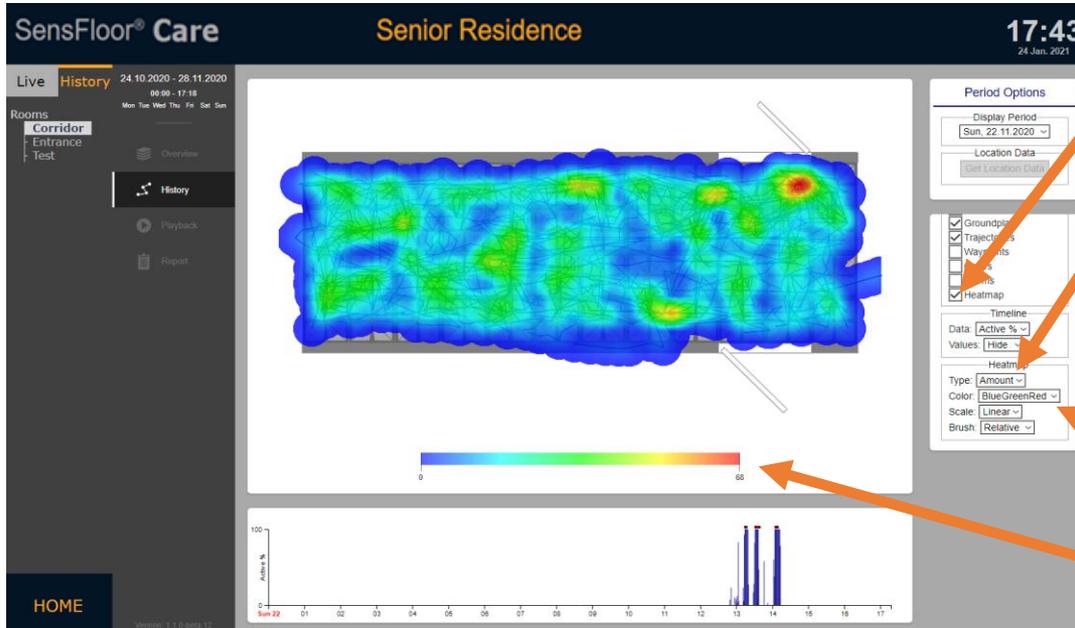


By tapping and dragging, a smaller time window around interesting events can be selected. Only location- and event-data within that period is displayed in the groundplan. The rest of the timeline is greyed out. The highlighted selection can be resized and moved across the timeline. Start-and end-time of the window is indicated. This function can be used, for instance, to analyse the movement before a fall occurred.



By tapping the magnifying glass symbol, the timeline zooms in on the selected window and its limits can be refined again by tapping and dragging until the accuracy scale of minutes has been reached. This way, a detailed analysis around alarm events is possible.

Tap here to revert to the full timeline.



If „Heatmap“ is selected, most frequent locations are shown.

Either „Amount“ of activity or time of stay at the locations can be selected.

Select colormap, linear or log-scaling.

The figure legend indicates the color scaling values.



If a time window is selected, the heatmap is displayed for the locations visited in this interval only. The window can be slid across the timeline.

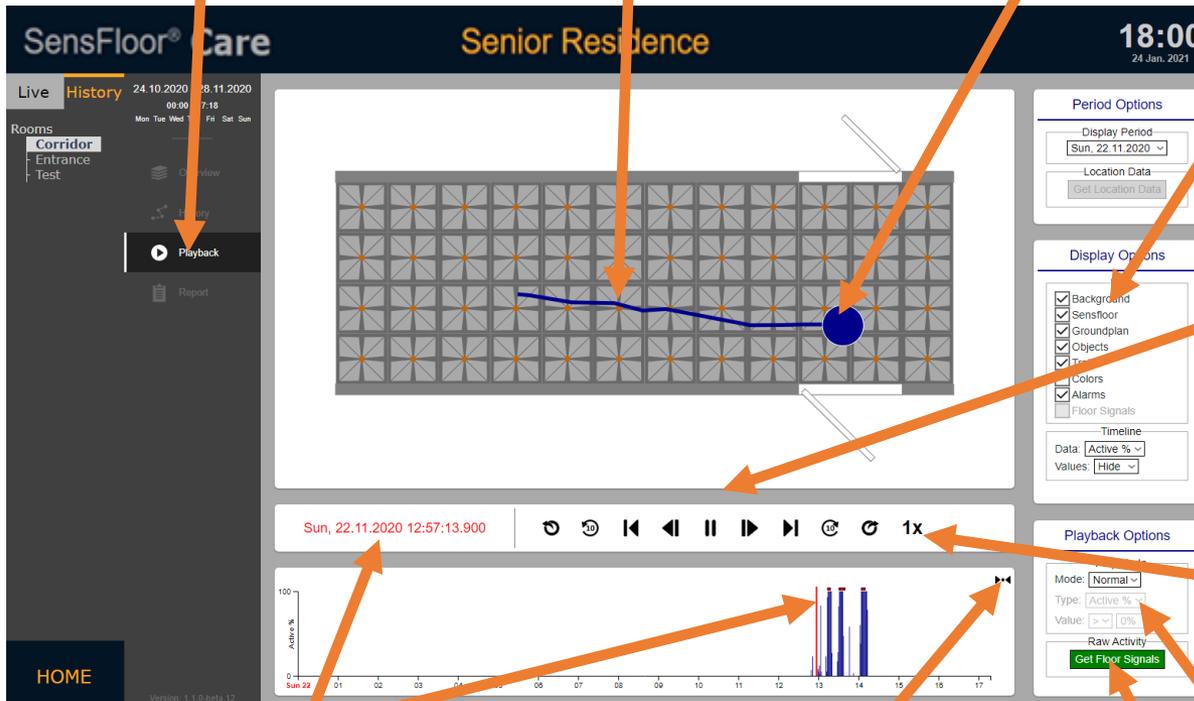
Select „Absolute“ brush to normalize the heatmap on the selected window.

Tap to play back recorded movements.

Recent Ppathway (trail)

Moving person.

Tick „Objects“ to display the moving object (person), tick „Trails“ to show the recent pathway.



Playback controls:

- jump back/forward 10s
- jump to start/end of window
- jump back/forward 100ms
- play/pause
- jump to next event

Tap for slow motion or time lapse

Playback options:
Skip: skip boring intervals.
Filter: filter timeline for activity, objects or alarms with parameters.

Get raw sensor signals and display sensor activity with display option „Floor Signals“.

Timestamp of current position in timeline, also indicated by red vertical line (time cursor) in time window. Timestamp is red when playback is running.

Tap here to toggle between „time window selection mode“ (black symbol) and „time cursor sliding mode“ (red symbol).

SensFloor® Care Senior Residence 20:06
24 Jan, 2021

Live History 18.11.2020 - 28.11.2020
00:00 - 17:18
Mon Tue Wed Thu Fri Sat Sun

Rooms
Corridor
Entrance
Test

Overview
History
Playback

Report

SensFloor Activity Report - c0a00146
Alarms: Fall

From 18.11.2020 to 28.11.2020
Between 00:00 and 17:18

Week Days
Mon Tue Wed Thu Fri Sat Sun

Total Events: 6

Number	Type	Start Time	End Time	X	Y
0	Fall	Sun, 22.11.2020 - 13:13:08	Sun, 22.11.2020 - 13:18:41	0.668	0.332
0	Fall	Sun, 22.11.2020 - 13:30:18	Sun, 22.11.2020 - 13:35:35	0.682	0.620
0	Fall	Sun, 22.11.2020 - 13:35:41	Sun, 22.11.2020 - 13:35:41	3.821	0.367
0	Fall	Sun, 22.11.2020 - 13:35:46	Sun, 22.11.2020 - 13:35:54	4.846	0.690
0	Fall	Sun, 22.11.2020 - 14:03:43	Sun, 22.11.2020 - 14:04:59	2.706	0.133
0	Fall	Sun, 22.11.2020 - 14:06:00	Sun, 22.11.2020 - 14:10:48	1.454	0.251

Report Options

Reporting Period
All Periods

Data Type
Alarms

Data Subtype
Fall

Export
Download as PDF Download as CSV

Select „Activity“ or „Alarms“ as report topic

Select the type of alarm or „All“

Tapping here generates a text file containing the data currently viewed.

Tapping here generates a pdf ready to be printed.

Tap here to obtain reports of aggregated data.

Data displayed as a list can be exported to facilitate documentation of events (e.g., falls).

Coordinates of events are in meters relative to the coordinate origin selected when installing the SensFloor.