

Limits which trigger alarms:

- Temperature limits reached
- Dust limits reached
- Fire
- Smoke
- Collisions to the exterior of the habitat

Subsystem 1

This subsystem will receive class 1 through 3 messages for Safety and Emergency and alarms.

Safety and Emergency Alarms:

- Fire
- Collision Detection
- Temperature limit
- Dust limit

Subsystem 2

This subsystem will receive messages depending on the class of alarm, therefore the subsystem will receive data that may overlap with the data of other subsystems.

Subsystem 3

This subsystem issues alarms of all the alarm classes.

Subsystem 4

Verifies that all devices are operational

Subsystem 5

Receives messages from building and room controllers

Some of the factors to alarm activation apply to different subsystems, which may create problems when it comes to programming, especially if the user receives the same notification or message from different subsystems, which may create a false sense of emergency or lack of security.

