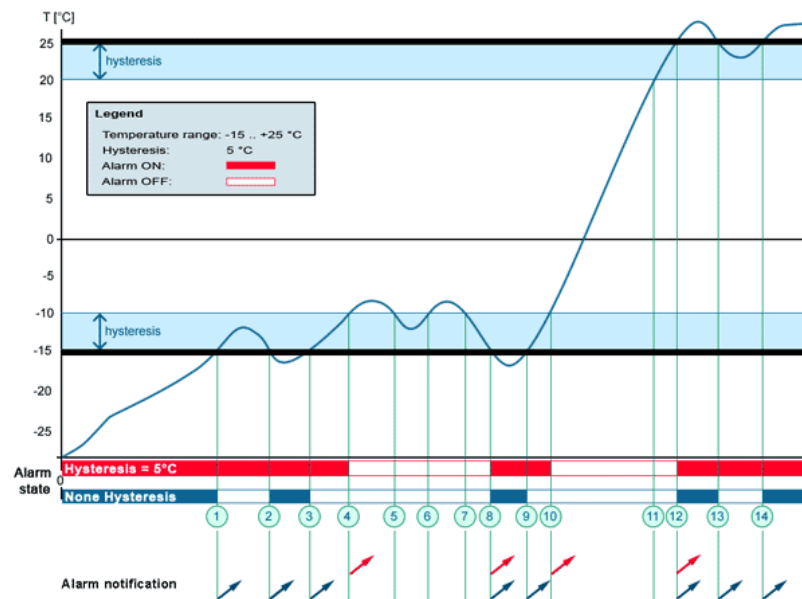


Hysteresis / Idle range

The **Hysteresis** setting defines a tolerance band for suppressing alarm alerts. The function prevents multiple alarm alerts if the reading oscillates around the specified threshold. The range is configured independently for each sensor.



The figure demonstrates two cases. Without the hysteresis idle range of 5°C, the alarm raised in **point 8** would end in **point 9**; however, the hysteresis function keeps the alarm active until the temperature reaches the upper limit of the tolerance band (**point 10**): 5°C + (-15°C) = -10°C.

- **Hysteresis = 5°C:**
The unit sends **3 e-mail (SMS) messages**
Alarm active in points 0..4, 8..10, 12 and beyond
- **No hysteresis (0°C):**
The unit sends **8 e-mail (SMS) messages**
Alarm active in points 0..1, 2..3, 8..9, 12..13, 14 and beyond