Melexis
INSPIRED ENGINEERING

IOT FOR SMART BUILDINGS

Incorporating Internet of Things in buildings offers extra user comfort, security and building management services. This can be done for instance by sensing temperature, measuring power consumption and keeping track of people's presence and location while preserving privacy.

Contactless temperature sensor
MLX90614
Thermostat
Early fire detection warning

Thermal camera FIR array
MLX90640
People presence detection, people counting
Thermostat and HVAC control
Intrusion alarm
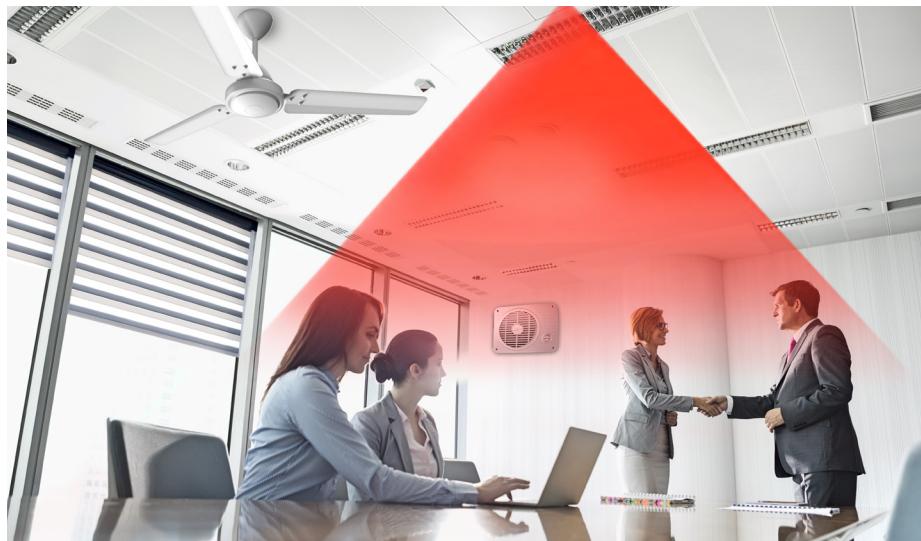Pre-fire warning

Hall latch
MLX92212
Blinds index counting

Fan driver
MLX90411 & MLX90412
Air quality sensing
Home ventilation, ceiling fans and air purifiers

ToF 3D camera sensor chip
MLX75023 & MLX75123
People presence detection, people counting
Hand gesture detection (HMI)

Hall switch
MLX90248
Door, window open/close
Electronic door lock position

Micro-power Hall switch
MLX92291
Door, window open/close
(contactless knobs and on/off switches)

3D Hall sensor
MLX90393
Door, window position
Window anti-tamper detection

Hall current sensor
MLX91210
Mains power consumption
MLX91208
Smart breaker, high current metering (non-billing)