

New Dual Plus Series

Always in control

New patented range gated radar technology in combination with patented mirror optics keeps detection within the room, helps to increase detection accuracy and sets a new standard in masking detection.

The new Dual Plus Series uses dual technology for volumetric motion sensing: PIR and mirror optics as known from our PIR and Vector series and patented range gated radar technology. The passive infrared technology combined with mirror optics creates ceiling-to-floor detection curtains, as used in existing Aritech PIR and Vector motion sensors. The new range gated radar technology allows the installer to precisely define the detection coverage area based on the size of the room and avoids nuisance alarms from large moving objects outside the room, that you typically get with other radars. The range selection creates a clear radar borderline and allows for four possible radar range selections. Furthermore, the latest anti-masking technology is used to protect both the outside and the inside of the detector against masking attempts by detecting and reporting a wide range of materials and goes beyond existing security standards to detect even partial masking of the sensor window. The Dual Plus motion sensors are designed to be triggered on even the cleverest masking attempts.

The Dual Plus Series contains variants in 12m and 16m, a pet immune variant and anti-masking variants in 12m (optical anti-masking and radar anti-masking) and 16m (optical anti-masking). The technology underlying the Dual Plus Series is based on a total of six already approved or pending patents. The new product range is European Norm (EN50131) certified and has several country specific approvals available.

Features:

- Patented selectable range gated radar technology clearly defining the radar detection border
- PIR technology with patented mirror curtain optics
- Intelligent alarm decision based on signal classification of the PIR and radar alarm
- Anti-masking variant using active infrared and radar technology to protect against sabotage actions outside and inside the motion sensor