



EN 50131-1
EN 50131-2-2
EN 50130-4
EN 50130-5
CEB T031

qtech



QIRP100H, QIRP200H, QDTP200H, QDTP200HM

PET IMMUNE DETECTORS

QIRP100H

Wired indoor detector with infrared technology and anti-tamper function, Pet Immune.

QIRP100H is the motion detector of the QTech product line with wired connection and infrared technology capable of covering a detection area of 15m.

The device has digital signal analysis, automatic temperature compensation functions and allows programming of a series of parameters including sensitivity adjustment.

The QIR100H detector is equipped with protection against attempts at opening and is certified to grade 2 according to the EN50131-2-2 standard.

QIRP200H

Wired indoor detector with infrared technology and anti-tamper function, Pet Immune.

The wired QIRP200H motion detector from the QTech product line is designed to meet the protection and security needs of indoor environments through infrared detection technology.

The device integrates anti-tamper protection against opening and dislodgement tamper and is certified to grade 2 according to the EN50131-2-2 standard.

QDTP200H

Wired indoor detector with infrared-microwave technology, Pet Immune.

The QDTP200H belongs to the category of wired volumetric detectors in the QTech line and provides 15m coverage. Dual infrared and microwave detection technology, digital analysis of signals and automatic temperature compensation ensure the protection of indoor environment.

The device is equipped with "AND" and "Smart-OR" functions for the generation of alarms: in the first case, the signal is activated when both sensors detect motion at the same time; in the second case, the signal is activated when only one of the two sensors detects motion for a prolonged period. The programming procedure allows the customization of a series of parameters, including the independent configuration of the sensitivity of the infrared and microwave sensors.

QDTP200H also integrates anti-tamper protection against opening and dislodgement tamper and is certified to grade 2 according to EN50131-2-4 standard.

QDTP200HM

Wired detector with infrared-microwave technology and anti-masking function, Pet Immune.

The QDTP200HM indoor motion detector from the QTech line has dual infrared and microwave technology capable of covering a detection area of 15m and provides functions of digital analysis of intrusion signals.

The device is equipped with "AND" and "Smart-OR" functions for the generation of alarms: in the first case, the signal is activated when both sensors detect motion at the same time; in the second case, the signal is activated when only one of the two sensors detects motion for a prolonged period. The programming procedure allows the customization of a series of parameters, including the independent configuration of the sensitivity of the infrared and microwave sensors.

QDTP200HM also integrates anti-tamper protection against opening, dislodgement and masking tamper and is certified to grade 2 according to the EN50131-2-4 standard.

The "Pet Immune" function of the wired QTech motion detectors reduces the risk of false alarms caused by the presence of pets inside rooms thanks to the possibility to bypass the detection of animals of up to 50cm in height and 25 kg in weight.

— TECHNICAL SPECIFICATIONS

QIRP100H, QIRP200H

- Immune to pets up to approximately 25Kg
- Digital signal analysis
- Coverage: 15m
- Detection angle: 90°
- Pulse counter
- Temperature compensation
- White light immunity
- Signalling LED
- Signals from bypassable LEDs
- Anti-opening protection
- Protected against break-off tamper (for QIRP200H only)

QDTP200H, QDTP200HM

- Immune to pets up to approximately 25Kg
- Digital signal analysis
- Coverage: 15m
- Detection angle: 90°
- Pulse counter
- Temperature compensation
- White light immunity
- Signalling LED
- Signals from bypassable LEDs
- Anti-opening protection

- Protected against break-off tamper
- Anti-masking protection (for QDTP200HM only)
- Bypassable sensors
- Adjustable sensor sensitivity
- EOL resistors
- "AND" and "Smart-OR" functions for alarm trigger



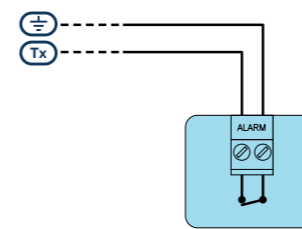
QIRP100H

QIRP200H,
QDTP200H,
QDTP200HM

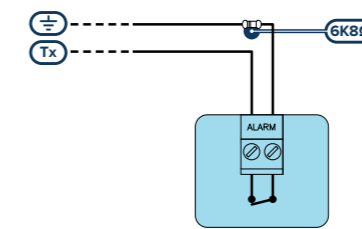
Main features	QIRP100H	QIRP200H	QDTP200H	QDTP200HM
Operating voltage				
Input voltage	range: from 10 to 16 V $\overline{\sim}$ nominal: 12.6 V $\overline{\sim}$			
Stand-by current draw	11mA @ 12.6 V		15mA	15mA
Maximum current draw	13mA @ 12.6 V		20mA	20mA
Detectors type	digital dual PIR		digital dual PIR, microwave module	
Detection mode	Infrared emission		Infrared emission + doppler effect	
Type of microwave antenna	-		Plane antenna with FET-GaAs oscillator	
Intrusion alarm output			N.C., 16 V $\overline{\sim}$, 100 mA max.	
Tamper output			N.C., 16 V $\overline{\sim}$, 100 mA max.	
Detection range (max.)			15m	
Detection angle			90°	
Security rating			2	
Complies with standards	EN50131-2-2		EN50131-2-4; EN50131-5-3	
Environmental class			II	
Installation method			wall-mounting	
Installation height			2.2m	
Dimensions (HxWxD)	96 x 60 x 44 mm		120 x 60 x 48 mm	
Weight	62g	77g		100g
Microwave			QDTP200H-A: 10,520 - 10,530 GHz QDTP200H-D: 10,582 - 10,592 GHz	QDTP200HM-A: 10,520 - 10,530 GHz QDTP200HM-D: 10,582 - 10,592 GHz
RF output power (max.)			<20 mW e.i.r.p. (13 dBm)	
Operating environmental conditions				
Temperature	from -10 to +40 °C			
Relative humidity	≤93% without condensation			

Balancing

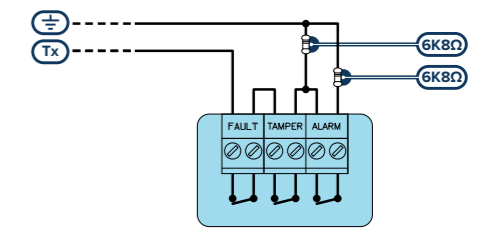
N.C./N.O.



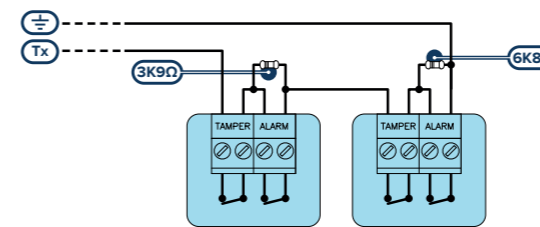
Single balancing



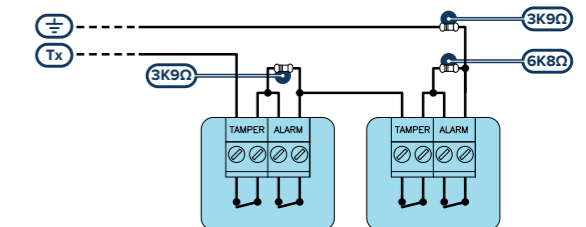
Double balancing



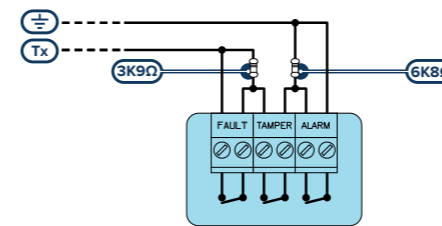
Double zone balancing



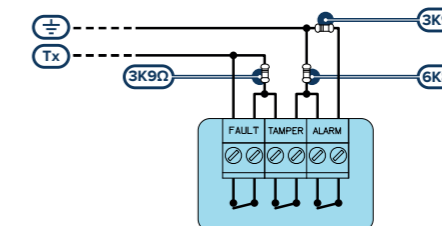
Double zone balancing with EOL



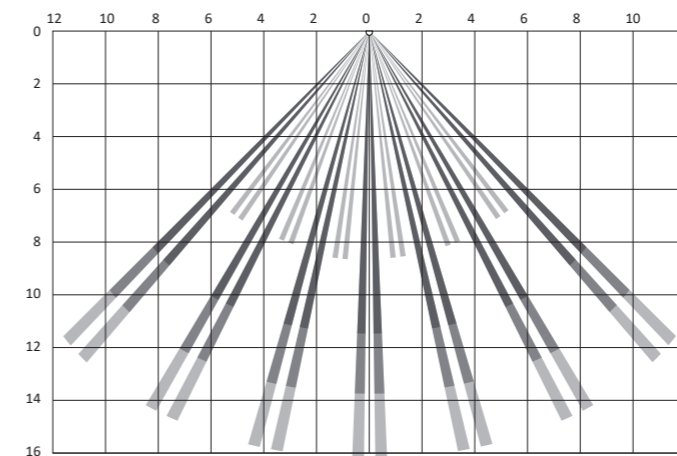
Triple balancing



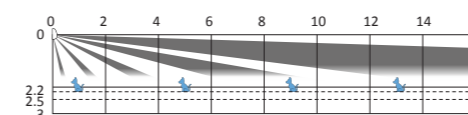
Triple balancing with EOL



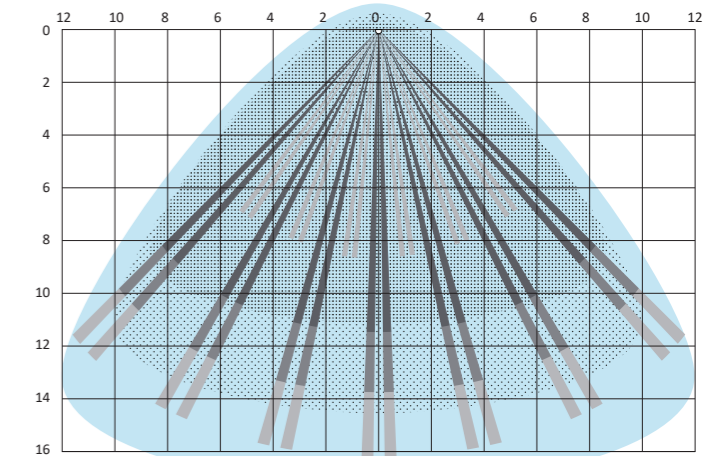
Coverage



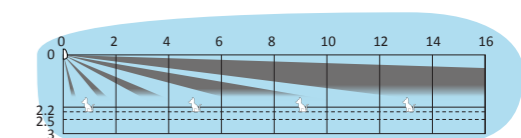
QIRP100H, QIRP200H – Top view



QIRP100H, QIRP200H – Side view

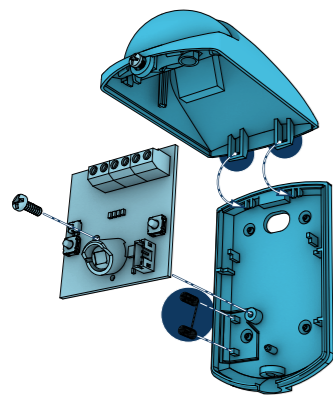


QDTP200H, QDTP200HM – Top view

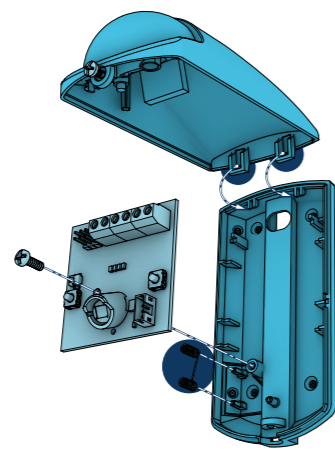


QDTP200H, QDTP200HM – Side view

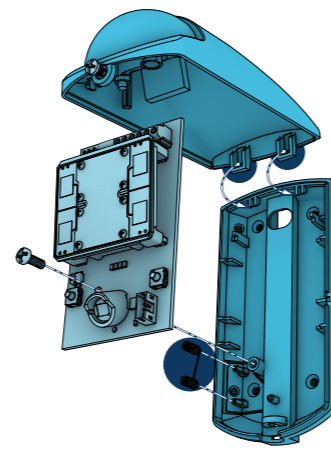
INSTALLATION



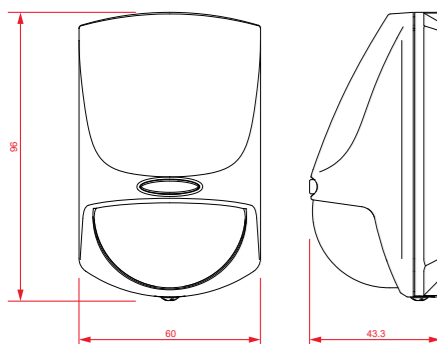
QIRP100H



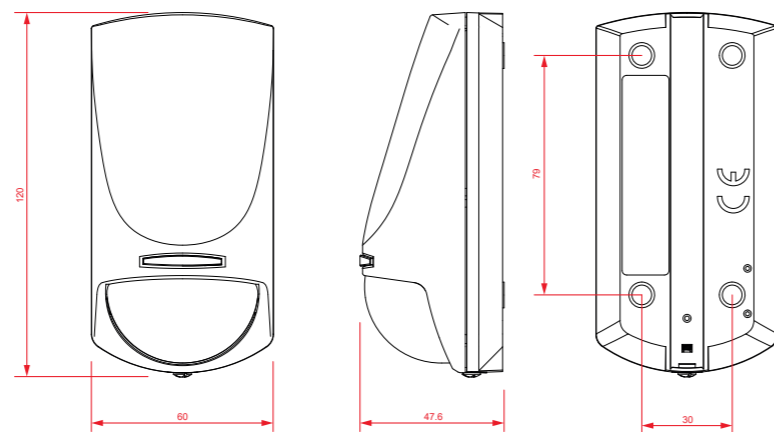
QIRP200H



QDTP200H, QDTP200HM



QIRP100H



QIRP200H, QDTP200H, QDTP200HM



— ORDER CODES

- QIRP100H** Indoor passive infrared detector with Pet Immune technology.
- QIRP200H** Indoor passive infrared detector with Pet Immune technology.
- QDTP200H** Indoor combined passive infrared and microwave detector with Pet Immune technology.
- QDTP200HM** Indoor combined passive infrared and microwave detector with anti-masking protection and Pet Immune technology.
- XBK100** Swivel bracket for QTech detectors.



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