

# DigiSense™

## Digital Detector Series

The **DigiSense** digital detector series is the ideal choice for both commercial and residential installations. Based on RISCO Group's advanced detection technologies, **DigiSense** is designed to assure superior catch performance and false alarm immunity.

Due to their identical and compact housing, the installer can mix and match the various technologies of **DigiSense** detectors in one installation, while maintaining the same overall look.



#### Main Features:

- 15m (50') coverage, 12m (40') for pet friendly models
- Microprocessor-based Digital Signal Processing
- Built-in EOL resistors
- Creep zone in DT models
- True Temperature Compensation
- Ample wiring space for easy installation
- Free swivel provided with PIR & Quad models
- Variable Pet Threshold (VPT™) in pet friendly models
- DT models include Tri-colour LED for easy walk through
- Optional corridor and curtain lenses

## DigiSense Series Technical Specifications:

	DT & DT Quad	DT Pet	DT "OR" Logic	PIR & Quad	PIR Pet
EN50131 Security Grade 2	✓	✓	✓	✓	✓
Coverage Range	15mx15m (50'x50')	12mx12m (40'x40')	15mx15m (50'x50')	15mx15m (50'x50')	12mx12m (40'x40')
Installation Height	2-2.7m (6'7"-9')	2.4m (7'10")	2-2.7m (6'7"-9')	2-2.7m (6'7"-9')	2.4m (7'10")
Detection Logic	MW and PIR	MW and PIR	Selectable: MW or PIR, MW and PIR	PIR	PIR
Creep zone	✓	✓	✓	-	-
Anti-masking	-	-	Using MW channel	-	-
Pet Friendly with Variable Pet Threshold (VPT)	-	34kg (75lb)	-	-	32kg (70lb)
Swivel	Optional external swivel	N/A	Optional external swivel	Free swivel	N/A
Microprocessor-based Digital Signal Processing	✓	✓	✓	-	✓
Built-in EOL resistors	Double EOL	Double EOL	Triple EOL	Double EOL	-
Anti-fluorescent interface signal processing	✓	✓	✓	-	-
Optional corridor and curtain lenses	✓	-	✓	✓	-
Operating Voltage	9 to 16 VDC				
Optical Filtering	White light protection, pigmented lens				
Operating Temperature	-20°C to 55°C (-4°F to 131°F)				
Dimensions	106 x 60 x 47mm (4.17" x 2.36" x 1.85")				

Specifications are subject to change without prior notice

## Ordering Information

Model Name	Description
RK415DT	DigiSense DT
RK415DTQ	DigiSense DT Quad
RK412DTPT	DigiSense DT Pet
RK415DTAM	DigiSense DT "OR" Logic
RK415PR	DigiSense PIR
RK415PQ	DigiSense QUAD
RK412PT	DigiSense PIR Pet
LLPL02	DigiSense Corridor lens* 20m x 6°
LLPL03	DigiSense Curtain lens* 15m x 6°
RA90	Ceiling swivel for DigiSense DT models*
RA91	Wall/corner swivel for DigiSense DT models*

\* Not applicable for Pet models



### Did you know?

DigiSense has built-in End-of-Line (EOL) resistors with jumper selectable resistance value. This saves the time and hassle of connecting resistors to the terminal block of the detector.

## Unique Technologies

### Digital Signal Processing (DSP)

An advanced PIR signal processing technology that adapts the detection threshold according to the environment in real-time.

### Variable Pet Threshold (VPT)

A unique PIR processing technology for pet friendly detectors that distinguishes between intruders and pets. Together with an exclusive lens, VPT™ adapts the detection threshold in real-time accordingly to the target's crossing speed of the PIR fingers, assuring pets are ignored while intruders are detected.