

# 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 test
- Optional corridor and curtain lenses

## DigiSense Series Technical Specifications:

	DT & DT Quad	DT Pet	DT "OR" Logic	PIR & Quad	PIR Pet
<b>EN50131 Security Grade 2</b>	✓	✓	✓	✓	✓
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
<b>RK412DTPT</b>	<b>DigiSense DT Pet</b>
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.