

## ValueLine wired Dual Technology motion sensor

The **VL-DT15PI-F1** is an ideal choice for both **residential and low commercial security** installations.

Next to the microwave radar, it uses a digital pyro element, eliminating the need for the signal conversion typically required in traditional detectors, where an analog PIR signal is amplified and converted to digital. Thanks to its fully digital technology, the detector offers accurate detecting of intrusions while being unaffected by common interferences such as white light, ultraviolet light, temperature fluctuations, air movement from HVAC systems, and is completely immune to radiated and conducted electromagnetic disturbances.

The motion detector features a lens crafted with Fresnel Technologies, Inc.'s LODIFF® technology and POLY IR® materials, ensuring quality and efficiency. Additionally, it is designed to be pet-immune within a 15-meter range and a 100-degree detection angle.



## Key Features

- ✓ EN Grade 2 certified (pending)
- ✓ Selectable detection range: 7m or 15m with under crawl protection
- ✓ Pet Immune up to 15 kg
- ✓ Full Digital pyro element
- ✓ Ultraviolet stabilization lenses
- ✓ LODIFF Fresnel Lens Technology
- ✓ White Light and High RFI Protection
- ✓ Only one housing for single and dual technology detectors

## Features & Benefits

- ✓ **White Light Protection:** The detector is equipped with digital filtering to block out white light interference.
- ✓ **Full digital pyro element:** The detector contains no analog components; the fully digital pyro element is directly connected to the microprocessor.
- ✓ **High RFI Protection:** Due to the complete absence of traditional amplifiers, the detector offers high RFI immunity.
- ✓ **Pet Immunity:** This motion sensor is pet-immune for animals up to 15 kg, thanks to the innovative lens design and digital analysis system.
- ✓ **UV Stabilized Lens:** The lens is molded using POLY IR® materials, which provide the optimal combination of transmittance, environmental stability, and color among all polymers. These materials are specifically designed for the 8-14 micron range of infrared.
- ✓ **Define Detection Technology:** The device offer the possibility to define which detection technologies to be triggered to generate an alarm : a pure AND function, a OR functionality or even an AUTO OR. The latter allows to switch the detector to a single technology detection after one technology was triggered 5 consecutive times.

## Technical Data

### Power & Mechanical

|                        |                            |
|------------------------|----------------------------|
| Dimensions (W x H x D) | 114 x 63 x 40mm            |
| Operating temperature  | -10°C to +55°C             |
| Weight                 | 108g (including packaging) |

### Intrusion

|              |                                            |
|--------------|--------------------------------------------|
| EOL Resistor | 4K7,4K7 or user selectable Dual EOL values |
|--------------|--------------------------------------------|

### Functional

|                |                     |
|----------------|---------------------|
| LED Indicators | green, yellow, blue |
|----------------|---------------------|

### General

|                                   |                                |
|-----------------------------------|--------------------------------|
| Approval                          | EN grade 2 (pending)           |
| Current Consumption               | max. 44 mA                     |
| Detection Characteristics / Range | 7m or 15m                      |
| Horizontal Angle of View          | 100°                           |
| Housing Material                  | ABS                            |
| Housing Protection                | IP 3X                          |
| Mounting                          | 2m to 2.2m                     |
| Optical System                    | LODIFF Fresnel Lens Technology |
| Pet Immunity                      | Yes, up to 15kg                |
| Power Supply                      | 9-15 VDC                       |
| Relative Humidity                 | < 93% without condensation     |
| Tamper Switch                     | Front and Back Tampers         |



## Ordering Information

|              |                                     |
|--------------|-------------------------------------|
| Product Code | VL-DT15PI-F1                        |
| Description  | Value Line PIR/MW, 15m, PI, 10.5GHz |