UP370C
PIR/US motion detector

- Wide-angle detector with lookdown zone for the most exacting applications
- Matchtec II signal processing system
- Comprehensive protection concept against all extraneous influences
- Real temperature compensation
- Simple application settings
- Continuous full-system self-test of sensors and electronic circuits

Always the right choice. Attractive design, reliable motion detection and excellent immunity to disturbances make the UP370C the ideal motion detector for demanding commercial, industrial and high-security applications.

The UP370 is highly effective. Sophisticated, digital signal processing and the functional interconnection between the ultrasound and passive infrared subsystems ensures intruders are reliably detected. Both detection systems are subjected to complex multi-criteria signal analysis so that interference in the individual sub-systems is detected and suppressed.

Safe detection. Intelligent signal processing makes UP370C suitable for use in the most demanding environment. The comprehensive protection concept gives the detector robust protection against environmental influences.
Coverage areas and dimensions

Wide-angle mirror (standard)  Short-range masking clip IRMC1 (option)

Technical data

- **Power supply**
  - max. ripple (0 … 100 Hz) / Voltage monitoring: 8 … 16 Vdc (12 V nom.)
  - Vpp / Alarm at ≤ 6.5 … 7.9 V
- **Power consumption (at 12 Vdc)**
  - Quiescent / Max. on alarm (with LED): 17 mA / 33 mA
- **Alarm outputs (Reed relay)**
  - Alarm hold time: 30 Vdc / 100 mA / Ri < 32 Ω
  - ≤ 2 … 3 s
- **Housing and back tamper contact**
  - 30 Vdc / 50 mA
- **Control inputs: Walk test**
  - LOW ≤ 1.5 V / HIGH ≥ 3.5 V
- **Signal evaluation**
  - Matchtec II; 4 settings
- **Detection speed: Wide angle mirror**
  - 0.1 … 4 m/s
- **Ultrasound frequency (quartz oscillator)**
  - 25.6 kHz
- **Ultrasound when Unset selectable**
  - On / Off
- **Operating temperature / Storage temperature**
  - -20 … +55 °C / -20 … +60 °C
- **Air humidity (EN 60721)**
  - < 95% r.h., non-condensing
- **Housing protection (EN 60529, EN 50102)**
  - IP 41 / IK 02
- **EMI rejection 1 … 2000 MHz (EN 61000-4-3)**
  - > 30 V/m

Details for ordering

<table>
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<tr>
<th>Type</th>
<th>Part no</th>
<th>Designation</th>
<th>Weight</th>
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<tr>
<td>UP370C</td>
<td>519818</td>
<td>PIR/US motion detector</td>
<td>0.220 kg</td>
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<tr>
<td>IRMC1</td>
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<td>Short-range masking clip (set of 10)</td>
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<td>IRUM2</td>
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<td>IRUM3</td>
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<td>503251</td>
<td>Adhesive tamper seal</td>
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