

Code: ACD-220-DG

## WIRELESS, CURTAIN PIR DETECTOR **ACD-220-DG** ABAX2 SATEL

The curtain detector provides a narrow detection angle.

The ACD-220-DG supports the other devices compatible with wireless ABAX2 system.



|                                           |                                                                                                 |
|-------------------------------------------|-------------------------------------------------------------------------------------------------|
| Support:                                  | Wireless alarm systems SATEL ABAX2                                                              |
| Battery power supply:                     | 1 x CR123A 3 V Lithium battery (included)                                                       |
| Battery lifetime:                         | ~ 2 years                                                                                       |
| Current consumption:                      | <ul style="list-style-type: none"> <li>• 15 mA (max)</li> <li>• 70 µA (Standby mode)</li> </ul> |
| Frequency range:                          | 868.0 ... 868.6 MHz                                                                             |
| Radio communication range (at open area): | max. 2000 m ACU-220 ,<br>max. 1200 m ACU-280                                                    |
| Application:                              | Indoor                                                                                          |
| Sensor type:                              | Passive Infra Red (PIR)                                                                         |
| Detection angle / Detection range:        | 15 ° / 5 x 1 m                                                                                  |
| Sensitivity adjustment:                   | ✓                                                                                               |
| Prealarm feature:                         | —                                                                                               |
| Digital temperature compensation:         | ✓                                                                                               |

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| Pet immunity:              | —                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| Target speed range:        | 0.3 ... 1 m/s                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Compliance with standards: | EN50130-4, EN50130-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| Environment class:         | II according to EN50130-5                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| Main features:             | <ul style="list-style-type: none"> <li>• Curtain lens</li> <li>• digital detection algorithm with temperature compensation for high immunity to false alarms and repeatability of parameters</li> <li>• Bi-directional encrypted radio communication - AES</li> <li>• Frequency hopping against jamming for reliable transmission</li> <li>• Monitoring of motion detection system</li> <li>• battery diagnostics</li> <li>• The "ECO" option allows to extend the battery life up to four times (only in ABAX2)</li> <li>• Tamper detection - opening the enclosure, removing from mounting surface</li> <li>• LED indication</li> <li>• Remote update of module software</li> <li>• Remote configuration</li> <li>• Built-in temperature sensor, Temperature measurement : -10 °C ... 55 °C</li> </ul> |
| Color:                     | Dark graphite                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| Operation temp:            | -10 °C ... 55 °C                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Weight:                    | 0.02 kg                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| Dimensions:                | 105 x 25 x 20 mm                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| Manufacturer / Brand:      | SATEL                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| Guarantee:                 | 2 years                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |