

# MotionProtect Plus Fibra

Wired PIR motion detector with additional K-band microwave sensor to filter thermal interferences

<b>Compatibility</b>	<b>Compatible hub models</b> <ul style="list-style-type: none"><li>• Hub Hybrid (2G)</li><li>• Hub Hybrid (4G)</li></ul> <b>Compatible range extenders</b> <p>Range extenders with Fibra devices support will be soon added to the Ajax product line.</p>
<b>Communication</b>	<b>Fibra communication technology</b> <p>Proprietary wired communication technology. Fibra combines the reliability of wires with the freedom of radio connection.</p> <p>It features:</p> <ul style="list-style-type: none"><li>◇ Two-way communication.</li><li>◇ Advanced anti-sabotage.</li><li>◇ Instant notifications.</li><li>◇ Remote configuration via the app.</li></ul> <b>Bus connection</b> <p>4-core cable</p> <b>Bus line length</b> <p>up to 2,000 meters/up to 6,500 ft When using the U/UTP cat.5 twisted pair.</p>
<b>Detection</b>	<b>Sensing elements</b> <ul style="list-style-type: none"><li>• 1 × PIR sensor</li><li>• 1 × K-band microwave sensor</li></ul> <p>When the device detects motion, it conducts an additional RF scan to eliminate false alarms due to thermal interference: air flows, heated curtains and blinds, fans, fireplaces, air conditioners, and other likely sources of false alarms.</p> <b>Motion detection distance</b> <ul style="list-style-type: none"><li>• up to 12 meters When installed at 2.4 meters height.</li><li>• up to 39 ft When installed at 7.9 ft height.</li></ul>

	<p><b>Motion detection angles</b></p> <ul style="list-style-type: none"> <li>• horizontal – 88.5°</li> <li>• vertical – 80°</li> </ul> <p><b>Motion detection speed</b></p> <ul style="list-style-type: none"> <li>• from 0.3 to 2.0 m/s</li> <li>• from 1 to 6.6 ft/s</li> </ul> <p>The direction of the detector lens should be perpendicular to the intended path of entry into the room.</p> <p><b>Sensitivity</b> 3 levels Sensitivity can be adjusted by PRO or user with admin rights in the Ajax app.</p> <p><b>Pet immunity</b></p> <ul style="list-style-type: none"> <li>• up to 20 kg</li> <li>• up to 50 cm height</li> <li>• up to 44 lb</li> <li>• up to 1.6 ft height</li> </ul> <p><b>False alarm prevention</b></p> <ul style="list-style-type: none"> <li>• SmartDetect</li> <li>• Software algorithm.</li> </ul> <p><b>K-band microwave sensor</b> To verify PIR sensor alarms.</p> <p><b>Temperature compensation</b></p> <ul style="list-style-type: none"> <li>• Effective motion detection within –10°C to +40°C range.</li> <li>• Effective motion detection within 14°F to 104°F range.</li> </ul>
<p><b>Anti-sabotage protection</b></p>	<p><b>Tampering alarm</b> Alerts of attempts to detach the detector from the surface or remove the mounting panel.</p> <p><b>Protection against forgery</b> Device authentication</p>
<p><b>Power supply</b></p>	<p><b>Fibra line power supply</b> 24 V<sub>DC</sub>, up to 50 μA The detector is powered by the control panel.</p>

<b>Enclosure</b>	<p><b>Dimensions</b> 110 × 65 × 50 mm/4.33" × 2.56" × 1.97"</p> <p><b>Weight</b> 96 g/3.39 oz</p> <p><b>Operating temperature range</b> from -10°C to +40°C/from 14°F to 104°F</p> <p><b>Operating humidity</b> up to 75%</p> <p><b>Protection class</b> IP50</p>
<b>Colours</b>	<ul style="list-style-type: none"> <li>● Black</li> <li>● White</li> </ul>
<b>Complete set</b>	<ul style="list-style-type: none"> <li>● MotionProtect Plus Fibra</li> <li>● SmartBracket mounting panel</li> <li>● Installation kit</li> <li>● Quick Start Guide</li> </ul>
<b>Additional information</b>	<b>Warranty</b> 24 months