#### www.top-arm.com

# TOPARM®

# Outdoor Active Quad Beam Sensor AX110Q/AX160Q/AX250Q

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- 6 times power surplus capacity ensures normal work even in harsh environment
- ASK modulation mode: the capability of anti-jamming is ten times better than common IR beam sensors
- EDC monitor circuit: When there is an intended or unintended interference from infrared beam sensors of different brand or same models, EDC can distinguish the difference, and caution user that the sensor is being interfered, thus to prevent intended intrusion
- Reliable four beam detection mode: only when two groups (four beams) are blocked at the same time, it will alarm. This function can avoid false alarms caused by pets or leaves
- Nanometer material coating (customizable) prevents mould and corrosion, and makes the surface no water and dust left, suitable for long-term use in outdoor or harsh weather, even the weather is rainy, humid, frosty, icy etc. These all cannot cause the decline in performance. So it can save maintenance cost
- Anti-crawl design: when intruder crawls through the protection area and blocks at the same time the lower two beams for 4 seconds, the system will alarm
- Voice indicates the alignment status: user can judge the alignment through the voice of buzzer. This is very useful in alignment under the strong light in outdoor environment
- Multi-level alignment indication: LED lights, buzzer, traditional telescope and voltage tests. It is visual to understand the alignment, easy to make precise alignment

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- Modulation mode: ASK
- Detection range: AX110Q outdoor 110m (360ft) ; AX160Q outdoor 160m (520ft) ; AX250Q outdoor 250m (820ft)
- Working temperature -20°C (-4°F) ~ +60°C (140°F)
- Relative humidity: 35% ~ 95% (non-condensing)
- Housing material: High-intensity black PC material for housing, avoid intended destroy and conceal warning direction
- Adjustment angle: Horizontal ±90°; Vertical ±10°
- Power supply: 10.5V ~ 28V/DC
- Electric current: AX110Q 100mA; AX160Q 125mA; AX250Q 140mA (TX + RX)
- Alarm output: Form C relay NC 24V/DC/500mA
- EDC output: 30V/DC/500mA
- Tamper output: 30V/DC/500mA
- Alarm response: 35ms ~ 500ms adjustable
- White light immunity: ≥120,000 lux/m
- Weight: 1.3kg (5.74lb)