URBIO



RADAR MOTION DETECTION SENSOR

TECHNICAL SHEET

TECHNICAL SPECIFICATION

FEATURES & FUNCTIONALITY
Automatic switching of public lighting equipment based on motion detection
Detects presence and movement using RADAR / FSK technology
Identifies, classifies, and reports traffic participants
Measures and reports movement speed
Displays and reports direction of movement
Enables creation of thermal maps and detailed traffic volume counting
Compatible with lighting control and smart city management devices
Designed for continuous operation in smart public lighting systems

DETECTION PARAMETERS
Detection technology: RADAR / FSK
Detection speed range: 1 – 100 km/h
Day / night mode adjustment: ~10 – 100,000 lux
Maximum mounting height: up to 20 m

PRODUCT INFORMATION
Product code: SRADAR
Identification: QR Code
Expected lifetime: 7 years
CE marking: Yes

OPERATING CONDITIONS
Operating temperature: –40 °C ... +85 °C
Relative humidity: max. 95%
Maximum altitude: 2000 m

COMMUNICATION & SECURITY
Communication type: DALI (DALI-2) / RF 2.4 GHz
Communication range: up to 200 m
Security: Encrypted communication (128-AES)

ELECTRICAL CHARACTERISTICS
Supply voltage: 5 VDC / 12 VDC / 24 VDC
Maximum power consumption: 0.5 W
Electrical insulation class: Class II

MECHANICAL CHARACTERISTICS
Housing material: Polycarbonate Protection degree: IP66

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