



TECHNICAL DATA

Model name: R820

Frequency: 2,4 GHz (Bluetooth 5.0)

Antenna: internal

Transmission power: +8dBm

Operating range: approx. 100m (depending on environment)

Supply voltage: 9 - 36 Vdc

Current consumption: < 8mA (Standby)

Outputs: 8 (digital)

Inputs: 2 (digital)

Rated current: 2,5A per output (max. 3,5A¹)

Total current: max. 10A

Connection cable: 12 core ADR cable with 1,5m length (prewired)

Weight: 380g including 1,5m cable

Housing: potted ABS housing

Protection class: IP69k²

Temperature range: -40°C to +60°C

Working height: 2000m ASL

Optical feedback: bicolour LED (red / green)

¹ Depending on temperature and load duration; software-side switch-off at internal temperature $\geq 85^\circ\text{C}$ and/or loads $\geq 3,6\text{A}$ for a duration of ≥ 1 second.

² If the receiver protective cover is used properly. Otherwise protection class IP67.