

EASY FLOW SYSTEM

MICROWAVE SYSTEM FOR PRIORITY AT TRAFFIC LIGHTS AND ACCESS CONTROL



The Easy Flow solution is a selective microwave detection system for priority at traffic lights and access control, both for public transport, priority vehicles and private fleets.



APPLICATIONS

- Priority at traffic lights, green light request
- Access control
- Selective control of doors, barriers or retractable bollards

CUSTOMER BENEFITS

- No civil work and maintenance
- Higher commercial speed
- Optimized travel time

PRODUCT STRENGTHS

- High reliability of transmission
- Long range
- Simple & quick installation
- Fixing any type of support
- Compact size
- Installation/configuration with Cap'Mobile

OPERATING PRINCIPLES

The EasyFlow system operates using a 24 GHz directional microwave link, enabling long-distance line-of-sight communication between an onboard transmitter and a fixed receiver.

- The transmitter, installed on a vehicle, sends a radio code, which is detected by the receiver mounted on the traffic signal.
- Upon receiving the code, the receiver switches an output and transmits the information to the traffic light controller.

Each code corresponds to a specific frequency, ensuring precise and secure operation.

Thanks to flexible configuration, EasyFlow adapts to requirements by adjusting vehicle detection and approach settings. The receiver can be easily configured via the Cap'Mobile application, available on smartphone and Windows PC.

Performance, reliability and flexibility

- Flexibility of the radio range from 5 to 300m
- 3 system versions : 1 code, 3 and 4 codes
- Userfriendly configuration via Cap'Mobile



EASY FLOW RECEIVER



- The receiver receives control orders sent by the transmitter
- 2 versions of power supply : 12/24V AC/DC or 230V AC
- Connection gland connector + cable 5m .
- Display of outputs and codes received by LED on front panel.
- Access to settings is done with the Cap'Mobile application

EASY FLOW TRANSMITTER

- The transmitter generates and ensures the transmission of one or more control commands (ex: right, median, left)
- Waterproof and compact housing with plug-in connector
- Discreet integration in the vehicle
- Display of the code emitted by LED on front
- Possibility of connection to all control modes (on request)



Technical specifications

Easy Flow receiver

Technologie : 24GHz FMCW

Range : From 5 to 300 m adjustable with Cap'Mobile

Detection direction : Arriving

Type of output : Fully configurable optocoupler outputs.
Max : 50mA / 30VAC / 40VDC

Connectivity : Bluetooth via Cap'Mobile app

Connection : Gland connector + 5m cable

Supply voltage : 12-24V AC/DC or 230VAC

Max consumption : 1,3W - 17mA @ 230VAC / 350mW - 35mA @ 24VAC / 220mW - 20mA @ 12VDC

Temperature range:

Storage: -40°C to +85°C

Usage -40°C to +70°C

IP : IP 65 - UV resistant

Dimensions : 132 x 78 x 70mm

Weight : 500g (230VAC version, Fixings included)

Interfaces : Settings Cap'Mobile application

Display : LED on front (can be deactivated)

Compliance: European Directive 2014/53/EU
2012/19/EU (WEEE)



Accessories

WAB-0-073 - Extension offset bracket , R-Flex radars

Easy Flow transmitter

Range : 300 m

Transmission : Versions 1, 3 and 4 codes

Supply voltage : 12 VDC to 24 VDC

Consumption: Less than 1VA

Optocoupled inputs: 3 active inputs at 0V or +12/24V

Equivalent input impedance : 2700Ω between +24VDC and control.

Power switched: Min 1mA/5 VDC / Max : 20 mA/30VDC

Temperature range :

Storage : -40°C to 85°C

Usage : -30°C to +70°C.

IP : IP65

Weight : 350g

Display : High brightness LED on the back

Compliance : Compliant to EC standards
2012/19/EU (WEEE)

Standards EN45545 and EN50155

Accessories

WAB-100-003 : 10m cable + transmitter connector

WAB-100-004 : 25m cable + transmitter connector

WAB-0-137 : Transmitter fixing kit optional