

RADARS RFSV

Multi-application detection for a safe and smooth traffic



BENEFITS

- Traffic control
- No civil work
- Less traffic jam and less pollution

APPLICATIONS

- Traffic light priority
- Warning signals on detection
- Security of crossroads or hazardous areas
- Smart public lighting

In order to deal with the increasing number of multiple users sharing the urban space and the resulting need for regulation, CAPSYS has developed RFSV radars. They adapt to multiple applications and combine precision detection and speed measurement.

Operating principles

The RFSV radars of the R-FLEX range are 24GHz microwave sensors with Doppler effect.

They detect reliably all types of vehicles, without suffering from the environment constraints. The detection activates a signal to traffic light controllers, warning signs, public lighting equipment, etc...

They are fully configurable (Cap'Mobile application), which gives them great flexibility of use.

Characteristics

Performance

RFSV can detect all types of vehicles. They have an adjustable range depending on the applications and the detections can be conditioned by an over/under speed threshold, a direction and a holding time.



PRODUCTS BENEFITS

- Quick and easy installation
- No civil work
- Reliable and adjustable detection
- No maintenance
- Cap'Mobile compatible

Easy to set up according to the installations

The RFSV radars are designed to easily fulfill multiple applications. They can be set up from the ground thanks to the Cap'Mobile application (Bluetooth connexion). All their parameters are readable and adjustable quickly and the outputs fully configurable (NO/NC, active or not,...) which give them an important flexibility of use.

Easy to install

RFSV radars can be easily fixed on any support (light pole, candelabra, ...) by means of their multi-position bracket, which also allows the product to be oriented, and their connectors, compact and handy for a simplified installation (100°vertical / 220°horizontal)

Technical characteristics

Technology	24 GHz Doppler radar
Detection range	Adjustable up to 200m (depending version)
Angle	20° horizontal / 40° vertical
Output type	2 fully configurable optocoupler outputs Max 50mA / 30VAC / 40VDC
Output configuration	Output can be enabled or disabled Speed threshold adjustment, holding time Direction (incoming/outgoing/omnidirectional)
Connexion	IP connector 68 + 30cm cable Gland connection with 5m cable
Supply voltage	230VAC - 12 at 24VACDC
Consumption max	1,3W - 17mA @ 230VAC / 500mW - 35mA @ 24VAC / 200mW - 25mA @ 12VDC
Temperature range	Stock : -40°C à +85°C Operating : -40°C à +70°C.
IP	65
Dimensions	132 x 78 x 70mm 500g (230VAC version - connectors + fixing bracket)
Interfaces	Configuration: CAP'MOBILE application Display: front panel LED (deactivable)
Standards	European Directive 2014/53/EU

Accessories

WAB-0-073 - Offset bracket

WAB-100-059 - Cabling set for 230VAC version

WAB-100-060 - Cabling set for 12/24VAC/DC version

WAB-100-061 - Connector IP68 - 5 points

WAB-100-062 - Connectors IP68 - 2 and 5 points

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