

# RLV/FLEX



## DESCRIPTION

Microwave radar for multi-application detection for traffic optimization.

Precise detection including speed measurement.

## PRINCIPLES OF OPERATION

RLV-FLEX radars are 24GHz Doppler microwave sensors, capable of reliable detection of all types of vehicles, cycles and pedestrians without suffering from the surrounding environmental conditions.

Detection is capable of triggering a signal to traffic light controllers, flashing warning signals, automatic barriers, etc.

Fully configurable remotely post-installation, via a mobile app that connects with the device reducing inconvenience to the operator on the road.

## FEATURES

The different versions of R-FLEX radars detect all types of vehicles or cyclists and pedestrians. They have an adjustable detection range to be set according to application and detections can be set if above or below a selectable speed threshold or depending on the directionality of the vehicle.

## EASY TO CONFIGURE ACCORDING TO INSTALLATIONS

RLV-FLEX radars are designed to easily meet multiple applications. They can be installed from the ground thanks to the Mobile application (Bluetooth connection). All parameters are quickly readable and adjustable, and outputs fully configurable (NO/NC, active or not,...) ensuring maximum flexibility of use.

## EASY TO POSITION

The universal mounting bracket facilitates installation on different types of supports (poles, walls, ...). Allowing the tilt to be adjusted to the correct position (tilt angle of 100° vertical / 220° horizontal).



### TECHNICAL FEATURES

|                             |  |
|-----------------------------|--|
| Technology                  | 24 GHz Doppler radar   |
| Sensing range               | Adjustable up to 200m (depending on version)   |
| Angle                       | 20° horizontal / 40° vertical  |
| Outputs                     | 2 fully configurable opto-isolated outputs Max 50mA / 30VAC / 40VDC  |
| Output configuration        | Output can be enabled or disabled<br>Adjustment of speed threshold, holding time<br>Direction (incoming/outgoing/homnidirectional) |
| Connection                  | IP68 connection cable + 30cm<br>Cable gland with 5m cable  |
| Supply voltage              | from 12 to 24VACDC   |
| Maximum consumption         | 200mW- 25mA @ 12VDC  |
| Storage temperature range   | from -40°C to +85°C  |
| Operating temperature range | from -40°C to +70°C  |
| Grade of protection         | IP65 - UV Resistant  |
| Dimensions                  | 132 x 78 x 70mm  |
| Weight                      | 500gr  |
| Interface                   | LED front panel (can be disabled)  |
| Standard                    | European Directive 2014/53/EU  |



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