



Dimensions: 8,3 x 8,1 x 6,0 cm (H x W x D)

## viafalconLC

Microprocessor controlled radar detector for movement and speed detection applications at medium distance range. Detects approaching and / or leaving vehicles and pedestrians (detection direction adjustable). Wide detection zone with 28° x 28° antenna angle. Parameter setting either by the serial RS232 interface or optional manually through switches. If the adjustable speed threshold is exceeded the detector sets the signal output (relay) for an adjustable hold time. Numeric vehicle counter integrated. The detection sensitivity is adjustable.

### Applications:

- Request of green phase at intersections
- Extension of green phase
- Speed activated VMS
- Economic replacement of inductive loops
- Surveillance of gates, barriers ec.
- Movement detection



**Ball joint fixture:**  
For the fixation of the detector  
at various posts.



**Fork mounting:**  
For the fixation of  
the viafalcon LC.

### Technical specification:

	viaFALCON LC
Sensor type	CW stereo-Doppler radar, planar module
Type of detection	Movement
Detected direction	uni- or bidirectional
Antenna	28° x 28° Patchantenna
Transmit frequency & power	24.165 GHz / 100mW (EIRP)
Detection distance range (cars)	100 m / 200 m (Version LC- L)
Detected speed range	0.5 - 255 km/h
Power supply (nom, min, max)	12V / 8V - 60V DC
Current consumption @ 12V DC	60 mA
Signal outputs	1 relay, LED
Data outputs	No
Interface (Standard)	RS 232
Interface (Optional)	-
Data protocol, format	ASCII, 8N1
Data transmission rate	9600 Baud
Operation temperature range	-40° - +70° Celsius
Housing (H x W x D)	83 x 81 x 60 mm
Housing protection class	IP 66
Other features	Interface only for parameter-setting
Options	230V-version / manual parameter-setting