Dimensions: 12,5 x 8,0 x 5,7 cm (H x W x D)

viafalconSOLAR

Microprocessor controlled radar detector for movement and speed detection applications at long distance range with data output for the measured speed values. Detects approaching and / or leaving vehicles (detection direction adjustable). Narrow detection zone with 12° x 17° antenna beam width. Parameter setting by the serial RS232 interface and manually through switches.
The detector sets a relay if the speed exceeds or falls below the adjusted speed threshold. A third relay indicates the vehicle movement direction. Numeric data output of all measured speed values by RS232 interface. Cycle time for the measurement is adjustable between 200 ms and 2,5 s. The detection sensitivity is adjustable in 5 steps. With the integrated discharge protection and very low power consumption < 50mW it is particularly suitable for solar and battery powered applications.

Applications:

- Battery and solar powered standalone systems
- Speed displays
- Speed activated variable message signs (VMS)
- Over speed and wrong direction driver warning signs
- Intelligent warning signs
- Railway surveillance

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

Fork mounting:
For the fixation of the viafalcon SOLAR.

Technical specification:	viaFALCON SOLAR
Sensor type	CW stereo-Doppler radar, planar module
Type of detection	Movement
Detected direction	uni- or bidirectional
Antenna	12° x 17° Patchantenna
Transmit frequency & power	24.165 GHz / 100mW (EIRP)
Detection distance range (cars)	250 m
Detected speed range	5 - 255 km/h
Power supply (nom, min, max)	12V / 5.4V - 30V DC
Current consumption @ 12V DC	3.5 mA
Signal outputs	3 relays, 2 LED
Data outputs	Yes
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)	125 x 80 x 57 mm
Housing protection class	IP 66
Other features	Measurement cycle 200 ms - 2,5 s adj. / manual parameter setting / Battery discharge protection for 6V, 12V and 24V
Options	230V-version