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

via**falcon**BASIC

Microprocessor controlled radar detector for movement and speed detection applications at long distance range. Detects approaching and / or leaving vehicles and pedestrians (detection direction adjustable). Narrow detection zone with 12° x 17° antenna beam width. Parameter setting by the serial RS232 interface and manually through switches. If the adjustable speed threshold is exceeded the detector sets the signal output (relay) for an adjustable hold time. The detection sensitivity is adjustable in 5 steps.

Applications:

- Speed warning signs
- Speed activated variable message signs (VMS)
- Wrong direction driver detection
- Economic replacement of inductive loops
- Railway surveillance
- Movement detection

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

Fork mounting:
For the fixation of the viafalcon BASIC.

Technical specification:

Technical specification:	via FALCON BASIC
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	0.7 - 255 km/h
Power supply (nom, min, max)	12V / 5.4V - 30V DC
Current consumption @ 12V DC	40 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)	125 x 80 x 57 mm
Housing protection class	IP 66
Other features	manual parameter-setting / Battery discharge protection for 6V, 12V and 24V / Interface only for parameter
Options	230V-version / 3 relays with separate tresholds / 1 relay with min. and max. treshold