



Dimensions: 12,0 x 12,0 x 9,0 cm (H x W x D)

viafalcoNET 2 / NET 3

Microprocessor controlled radar detector with network communication for use in traffic management systems. Its RS 485 multipoint communication supplies nearly real-time data for a traffic controller. Every viafalco NET is assigned with an unique network address on the network bus with up to 15 detectors. Viafalco NET 2 (11° x 11° antenna) for mounting in an overhead position with a lane selective round radar spot is particularly suitable on dual carriageways or multi lane motorways. Viafalco NET 3 (11° x 18° antenna) for mounting in overhead or sidefire position with an elliptic radar spot on the lane. With a typical mounting angle of 45° the detector delivers speed, profile value for vehicle classification and inter-vehicle net time gap when a vehicle passes the beam. Detects approaching and / or leaving vehicles (detection direction adjustable). The detection sensitivity is adjustable. A RS 485 / RS 232 network adapter for a simple PC connection is optional available.

Applications:

- Radar detector network connected to traffic management systems
- Radar detector network connected to traffic counter systems (single vehicle data, vehicle counting and classification, speed, net time gap, ...)
- Traffic jam warning, wrong direction driver warning
- Traffic density and travel time calculation
- Tunnel surveillance



viafalco PLUS connector:
Integrated male socket with female cable connector.



viafalco NET adapter:
For a serial connection between viafalco NET and PC.

Technical specification:

	viaFALCO NET 2 / NET 3
Sensor type	CW stereo-Doppler radar, planar module
Type of detection	Movement
Detected direction	uni- or bidirectional
Antenna	11° x 11° / 11° x 18° Patchantenna
Transmit frequency & power	24.165 GHz / 100mW (EIRP)
Detection distance range (cars)	250 m
Detected speed range	0.5 - 255 km/h
Power supply (nom, min, max)	12V, 8V - 36V DC
Current consumption @ 12V DC	65 mA
Signal outputs	-
Data outputs	Yes
Interface (Standard)	RS 485
Interface (Optional)	-
Data protocol, format	CSMA / CD, binary
Data transmission rate	till 115000 Baud
Operation temperature range	-40° - +85° Celsius
Housing (H x W x D)	120 x 120 x 90 mm
Housing protection class	IP 66
Other features	Network capability, up to 15 detectors per bus line
Options	integrated male socket with female cable connector