

viafalcon LC



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



Fork mounting:
For the fixation of the viafalcon LC.

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.

viafalcon BASIC



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



Fork mounting:
For the fixation of the viafalcon 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:

- 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

Technical specification: **digitalFALCON 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 |

Applications:

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

Technical specification: **digitalFALCON 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 230V-version / 3 relays with separate thresholds / 1 relay with min. and max. threshold |
| Options | |