

High technology used for easiness and cost optimisation: DIS is a revolutionary concept.

- ▶ Optimised installation cost : DIS is a stand alone system, generating a **virtual loop** due to its embedded image process. It operates without any magnetic loop combination and prevents any roadwork overcost.
- ▶ No over cost for maintenance: the definition of the detection zone is achieved by **DI'POINT**, a simple remote control tool.
- ▶ An unparalleled housing level: Due to its compact and discreet design, DIS is compatible with any environment.
- ▶ Reliability: DIS adapts its detection process according to the light and weather conditions to provide permanently relevant information.

### Image Sensor Detector for vehicles



### Applications:

- Traffic light management.
- Two & four-wheeled vehicle detection.
- « Turn-on-left » detection.
- Short and long range detection.
- Bus lane detection.
- Stop line detection

### Characteristics :

- ✓ Stand-alone detector.
- ✓ Precise detection zone with adjustable size and shape.
- ✓ Fixed presence time for static version: 4 mn
- ✓ A range up to 16 m for static detection and up to 32 m for dynamic versions.
- ✓ Easy setup, either on front access or by remote control DI' POINT (Capsys patented).

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### Main features :

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| <ul style="list-style-type: none"><li>• <b>Technology</b><br/>CAPSEE range detectors combine a high definition Image Sensor and a powerful Digital Signal processor for a very reliable operation.</li><li>• <b>DI' POINT : remote setup</b><br/>This DI'Point remote control allows to define intuitively the detection zone by simple pointing of the zone on the ground.</li><li>• <b>Detection range</b><br/>The detection range can be precisely setup between 0 and 32 m for dynamic DIS and from 0 to 16 m for static DIS.</li><li>• <b>Detection zone</b><br/>CAPSEE range detectors allow a wide range of applications thanks to the adjustment of the detection zone.</li><li>• <b>DIS: Dynamic or static detection</b><br/>These two versions allow to give a larger choice of applications to the user :<br/><br/>Precise detection of any moving vehicles (dynamic version) or stand still vehicles (static version) for short &amp; long range, "turn-on-left" or stop line detection.</li></ul> | <ul style="list-style-type: none"><li>• <b>Sensitivity</b><br/>It is possible to set up 4 different detection levels depending on the size of the detected vehicle.</li><li>• <b>Easy installation</b><br/>CAPSEE range detectors are easy to mount on traffic lights or public light posts up to 6 meters high with an adjustable double axle mounting bracket.</li><li>• <b>Compact and discreet housing</b><br/>IP66 waterproof box.</li><li>• <b>Easy and fast connection</b><br/>Detachable &amp; robust IP68 connector. Possible hot-swappable substitution with the SPOT range radars or DIN solenoid valve connector.</li><li>• <b>Outputs</b><br/>Dry contact relay with positive security, opto-coupler, Serial link RS485 (consult us).</li></ul> |
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## Technical specifications:

Technology	Digital Signal Processor HCmos
Detection range	From 0 to 16m (static detection) & from 0 to 30m (dynamic detection)
Detection mode	Omni directional
Filtering before detection	for static DIS only: 0,5s
Commuted power	Low current relay NO/NF 0.5A / 120VAC, 1A / 24VDC, 0.3A / 60VDC or standard voltage 0,1A / 230VAC Opto-coupler output with open collector 30VDC 20mA.
Output	Dry contacts relays OR opto-coupler.
Power supply Un	24VAC ou 230VAC 48-62Hz ± 20% 12VDC ou 24VDC ± 20%
Power consumption	< 6 VA.
Temperature range	Stock : -40 to +85°C Use : -30° to 70°C.
Housing	IP 66 with thermal protection / UV resistant epoxy paint.
Dimension / weight	210 x 80 x 65 mm, not including connector and mounting kit / 1Kg.
Connection	IP68 Connector / Pre-wired connector + 5m cable depending on part number
Settings	Dip and rotary switches front face accessible or IR remote control DI'POINT
Display	High-luminosity LEDs on front face.
Standards	EC

User manual available on request

**Glossary:** NO = normally Open; NC= normally closed.  
NO/NC connection capability as a standard feature  
Positive security : relay reverts to initial state when current supply is resumed.

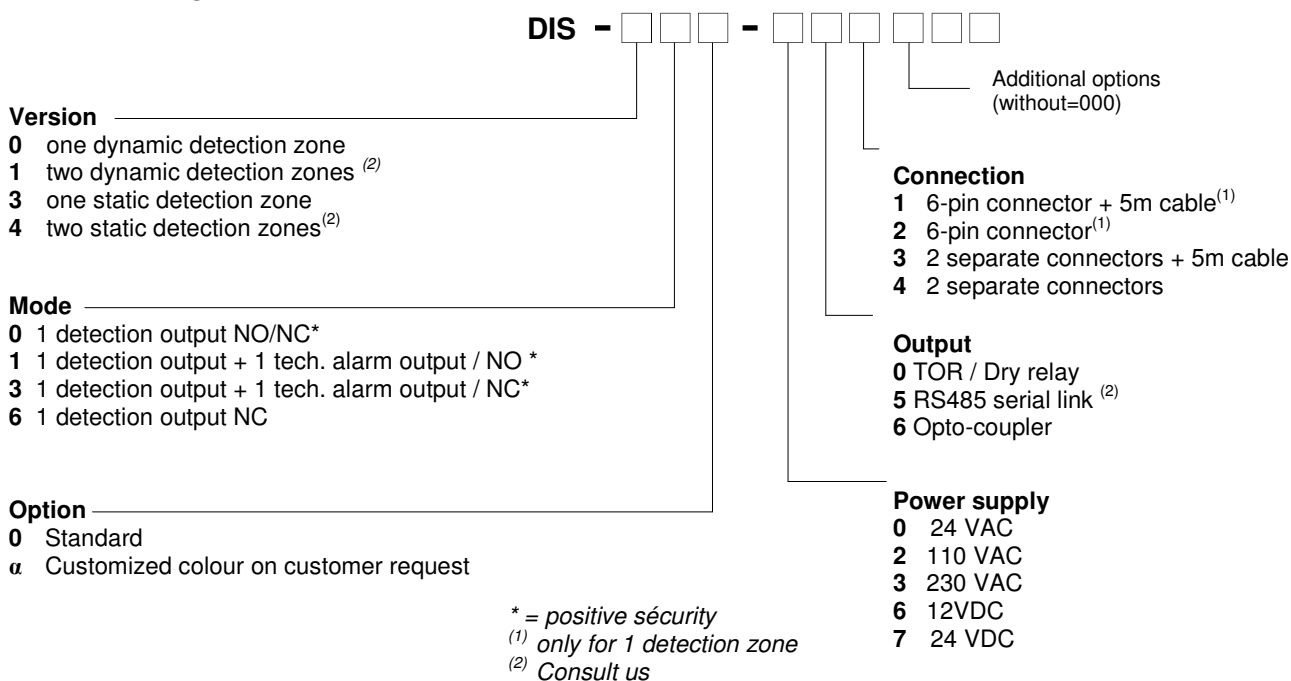
## Options:

Customised serial link output.  
Epoxy paint with customised colours

## Accessories:

Ref. : WAB-0 -028 = 2-axe adjustable mounting bracket  
Ref. : WAB-0 -024 = Extension brace for post  
Ref. : WAB-DIP-000 = DI' POINT, zone definition setting tool

## Reference organisation:



## Standard part number:

**DIS - 000 - 301000**, 1 dynamic detection zone- 230 VAC, 1 relay output NO/NC, 6-pin connector + 5 m cable

**DIS - 300 - 301000** , 1 static detection zone- 230 VAC, 1 relay output NO/NC, 6-pin connector + 5 m cable