

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).

Main features :

• Technology

CAPSEE range detectors combine a high definition Image Sensor and a powerful Digital Signal processor for a very reliable operation.

• DI' POINT : remote setup

This DI'Point remote control allows to define intuitively the detection zone by simple pointing of the zone on the ground.

• Detection range

The detection range can be precisely setup between 0 and 32 m for dynamic DIS and from 0 to 16 m for static DIS.

• Detection zone

CAPSEE range detectors allow a wide range of applications thanks to the adjustment of the detection zone.

• DIS: Dynamic or static detection

These two versions allow to give a larger choice of applications to the user :

Precise detection of any moving vehicles (dynamic version) or stand still vehicles (static version) for short & long range, "turn-on-left" or stop line detection.

• Sensitivity

It is possible to set up 4 different detection levels depending on the size of the detected vehicle.

• Easy installation

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.

• Compact and discreet housing

IP66 waterproof box.

• Easy and fast connection

Detachable & robust IP68 connector. Possible hot-swappable substitution with the SPOT range radars or DIN solenoid valve connector.

• Outputs

Dry contact relay with positive security, opto-coupler, Serial link RS485 (consult us).



Technical specifications:

<i>Technology</i>	Digital Signal Processor HCmos
<i>Detection range</i>	From 0 to 16m (static detection) & from 0 to 30m (dynamic detection)
<i>Detection mode</i>	Omni directional
<i>Filtering before detection</i>	for static DIS only: 0,5s
<i>Commutated power</i>	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.
<i>Output</i>	Dry contacts relays OR opto-coupler.
<i>Power supply Un</i>	24VAC ou 230VAC 48-62Hz ± 20% 12VDC ou 24VDC ± 20%
<i>Power consumption</i>	< 6 VA.
<i>Temperature range</i>	Stock : -40 to +85°C Use : -30° to 70°C.
<i>Housing</i>	IP 66 with thermal protection / UV resistant epoxy paint.
<i>Dimension / weight</i>	210 x 80 x 65 mm, not including connector and mounting kit / 1Kg.
<i>Connection</i>	IP68 Connector / Pre-wired connector + 5m cable depending on part number
<i>Settings</i>	Dip and rotary switches front face accessible or IR remote control DI'POINT
<i>Display</i>	High-luminosity LEDs on front face.
<i>Standards</i>	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:

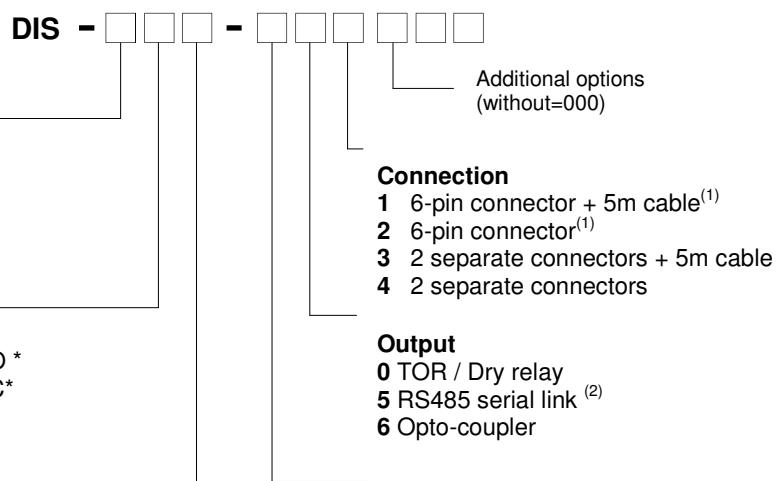
Ref. : WAB-0-028 = 2-axe adjustable mounting bracket
Ref. : WAB-0-024 = Extension brace for post
Ref. : WAB-DIP-000 = DI' POINT, zone definition setting tool

Reference organisation:

Version
0 one dynamic detection zone
1 two dynamic detection zones ⁽²⁾
3 one static detection zone
4 two static detection zones ⁽²⁾

Mode
0 1 detection output NO/NC*
1 1 detection output + 1 tech. alarm output / NO *
3 1 detection output + 1 tech. alarm output / NC*
6 1 detection output NC

Option
0 Standard
α Customized colour on customer request



* = positive sécurité
(1) only for 1 detection zone
(2) Consult us

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