

## RADIO TRANSCOM Range

## LR Series

### A new concept of radio link

*This radio modems network, with “frequency agility”, manages all links usually used for the control of crossroads **without wires**.*

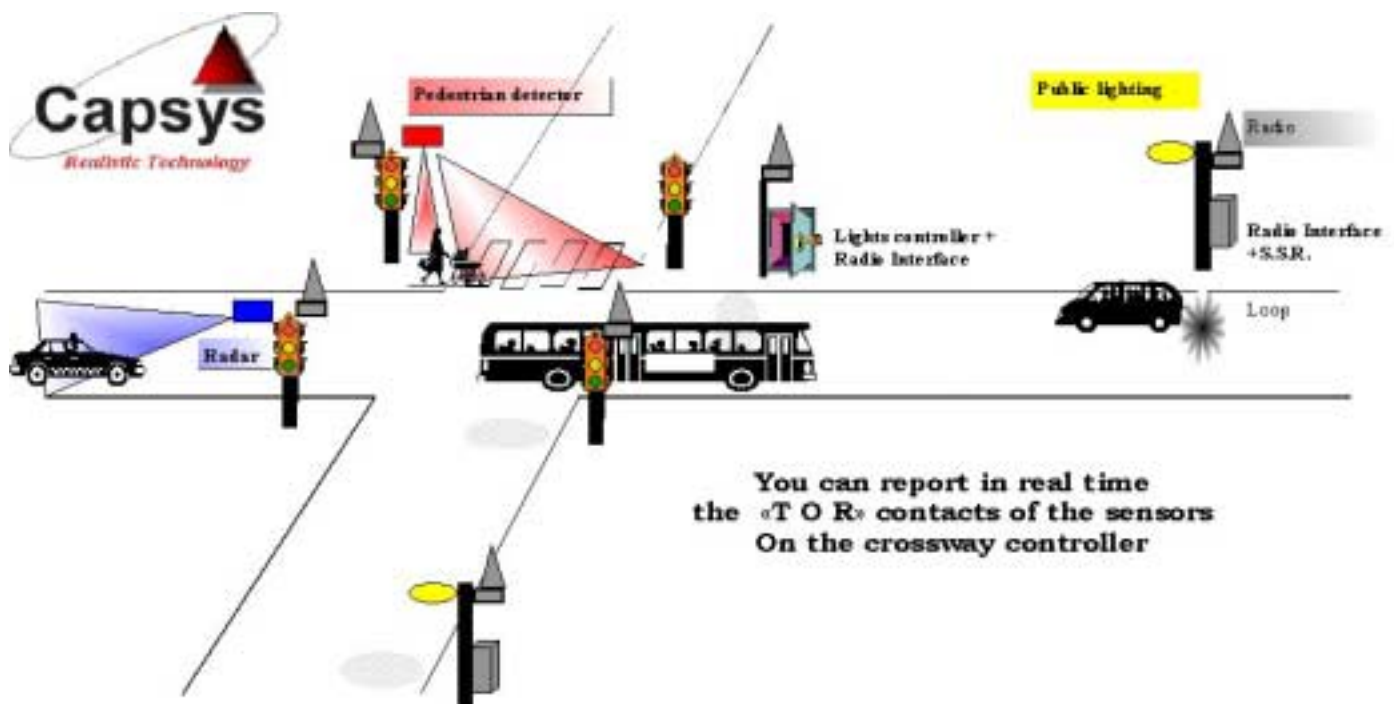
*An innovating system providing reliable and secure communications for your departed inputs and outputs.*

*Easy to use and to install.*



### Main Characteristics

- Exploitation conforms to ETSI 300/220 norm
- Inputs/Outputs are configured by the user from 4 to 16 inputs/outputs.
- Easy to install and adjust with the transmission data displayed on the “INTERFACE” unit fixed on standard DIN rail.
- Autonomous “ACTIVE RADIO” unit based on a RS485 communication with INTERFACE.
- High reliability of the data transmission by a secure coding CRC polynomial, a «frequency agility» system and bi-directional transmissions..
- PC connection possible.
- Point to point or multipoint network transmission (up to 8 channels).
- 16 frequency bands available for the user.
- Transmission distance up to 400 m in free area. Range can be spread by “radio repeater”.
- “Battery saved” version, charger/unloader integrated in a waterproof box.
- Optimised response time.



## Interface main features



- Signal level indication.
- Transmission control.
- Serial link control and safety battery.
- TOR input or output display.

### Technical characteristics:

- ◆ Selection of the functioning mode server/customer/relay by switch.
- ◆ Communication between interface and radio units is given security by RS 485 link.
- ◆ Selection : 1 main channel out of 16 available.
- ◆ Permanent control of the HF link (433 Mhz).
- ◆ System address selection by switch.

### Mechanical characteristics:

- ◆ Compact and unplugged box on standard DIN rail.
- ◆ Box 105 x 90 x 50

### Electrical characteristics:

- ◆ Supply : 12VDC - 24VDC - 24VACDC - 48 VAC - 127 VAC - 230 VAC .
- ◆ Temperature range : -30 to 70 °C .
- ◆ Consumed current <3VA
- ◆ 4 "dual-points" Input/Output available. The user selects either input or output. Information is reported in front face.
- ◆ Input dual-point :
  - Command set at + or at -.
  - Input range : 12 to 30 V (10mA typical)
- ◆ Output dual-point :
  - Each dual-point is a relay contact.
  - Commutation number  $5 \cdot 10^7$
  - Switched current from 5mA to 500mA
  - Opto-coupled output option
  - Output series option.