



SCAE



SMC

Mobile Traffic Light System

SMC is a traffic control device that can be used in all those situations that require a temporary installation of an alternating one-way, junction, pedestrian crossing, exit of work vehicles, road works, etc.

It has been designed to offer maximum flexibility and an easy use while meeting the most demanding needs of customer.

CLOSED



OPEN





GENERAL CHARACTERISTICS

- Up to 4 selectable groups.
- Bluetooth for easy configuration via smartphone APP.
- High precision in isolated mode, up to a month of synchronism in non-communicating alternating one-way roads.
- Multi language menu.
- Dimming function.
- Immunity to interference and electrostatic charges
- Possibility of connection via cable for communication between 4 controllable groups.
- Extensibility through arduino shield connector.
- Multiple traffic light programs that can be set according to time and external events.
- Pedestrian push-button and vehicle radar sensor as option.
- Optional Gps, for unlimited synchronism between 2 autonomous and isolated groups.
- Optional radio module, for communication between 4 groups up to 1000m.
- I/O module: 2 digital inputs and 2 digital outputs allow SMC to communicate to external equipment
- Lamp monitoring system: it determines if any of the signals have become defective.

OPERATING MODE

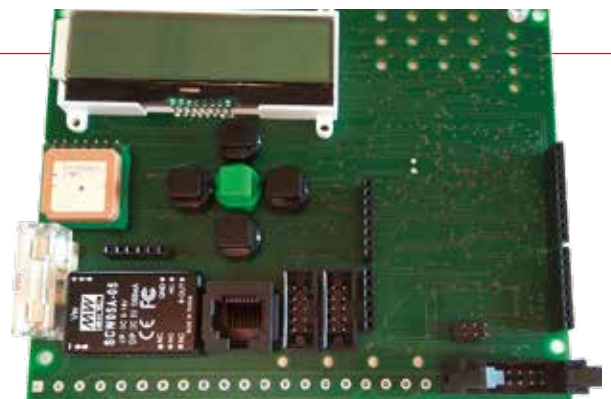
- **Isolated mode:** for use in an alternating one way road, in which the 2 groups do not communicate with each other. Once activated together, a high precision quartz provides synchronism between the 2 controllers.
- If available, you can activate the GPS from menu and have the utmost precision between the two traffic lights.
- **Wired mode:** communication between 2/3/4 groups, via standard RS485 to manage radar, pedestrian buttons, change of time zone, synchronism, the whole configurable via App.
- **Radio mode:** using the radio module (+ GPS) you can have the same functionality as the wired mode, but wireless up to a distance of 1000m.
- **Spot mode:** in this mode the traffic lights remain in green or red phase and after an external event (radar \ pedestrian button \ I / O) they run a traffic light cycle and then return to the original pre-set phase.

ELECTRICAL CHARACTERISTICS

- SMC operates with a 12V battery.
- The maximum electrical absorption during operation is 20W (with 6W / 12V LED lamps).
- The operating temperature range is: -20°C +70°C.

SMC CARD

- The SMC board is 136 x 108 mm in size and has a single sided PCB with tracks and SMD components on the back of the board.
- On the front side are mounted the interfaces and THT components in addition to terminals
- The card has been designed to be inserted in a plastic case permeable to radio waves.



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