



VEHICLES ACTIVITY DETECTION

With multi-control GPS detectors

With multi-control GPS detectors Advanced vehicle fleet control using the latest generation of multi-control GPS detectors, which can be installed in vehicles via digital I/O connectors.

Detectors are interfaced with CANBUS, power take-offs, container turn-ups, compacting cycles, waste offloading, brushes and street-cleaning bars in order to guarantee 360-degree activity management.

VEHICLES ACTIVITY DETECTION

The GPS position of the vehicle is acquired at high frequency, in the order of a few seconds, in a dynamic manner based on the occurrence of conditions set on time, distance and angle of curvature. This important feature enables tracing the route of the vehicle in a detailed and accurate way, even in an urban context, typical of waste collection.

All data are transmitted in real-time and can be consulted through the Operations Centre's website with the aid of tables and graphs, as well as through map representation.

Thanks to integrated Google maps, fleet control is simple and immediate.

Detectors allow for all sorts of checks, such as where and when a power take-off was used, where and when the vehicle unloaded waste, where and when brushes were activated and deactivated, and therefore which roads have actually been swept or washed.

Numerous checks can be activated via the simple installation of a GPS locator, which comes with numerous digital inputs in order to check the use of equipment on board. The interface with the vehicle's CANBUS is fundamental for the complete control of certain vehicle parameters, such as fuel consumption.

Managers can also choose to be automatically notified via email/text message when a vehicle is entering or leaving an area, has reached a point of interest or is in motion during a rest time slot.



“VEHICLES ACTIVITY DETECTION”



DETECTORS ALLOW MANAGERS TO CHECK

- vehicle routes;
- stops with the engine on/off;
- the start/end of activity;
- hours with the engine on/off;
- fuel consumption;
- fuel level;
- engine revolutions;
- engine temperature;

GPS DETECTOR TECHNICAL CHARACTERISTICS

GSM/GPRS

- Quad-band 900/1800 MHz; 850/1900 MHz
- GPRS Multi-Slot Class 12 (up to 240 kbps)
- GPRS Class B Mobile Station
- SMS

GNSS

- Tracking: 33/99 acquisition channels
- Sensitivity: -165 dBm
- Warm start <1s
- Start at cold <35s
- NMEA-183 protocol
- GPS, GLONASS, GALILEO, BEIDOU, SBAS, QZSS, DGPS, AGPS
- Accuracy 3m

- power take-offs;
- container turn-ups;
- unloading;
- compaction;
- brushes;
- street washers;
- entry/exit from areas of interest.

INTERFACE

- Integrated KLINE
- CAN J1939 / J1708
- RS485 / RS232
- 4 digital inputs
- 4 digital outputs (relay control, LED, buzzer)
- 3 analogue inputs
- 1-wire interface
- Internal Ni-Mh battery 550 mAh
- 2 status LEDs
- Dimensions: 104 x 76.8 x 31.5mm
- Remotely configurable firmware updates
- External GSM/GNSS antennas

Innovambiente references: GPS detector code: TEB630



