

La série Smart 2421, 2322, 2423, 2425 est une gamme de trackers simples, fiables et abordables. Le tracker est équipé par antennes GPS/GLONASS et GSM intégrées, avec batterie intégrée, avec le minimum de fonctionnalités nécessaires et le prix le plus bas possible.



Bluetooth 4.0



3 inputs / 2 outputs

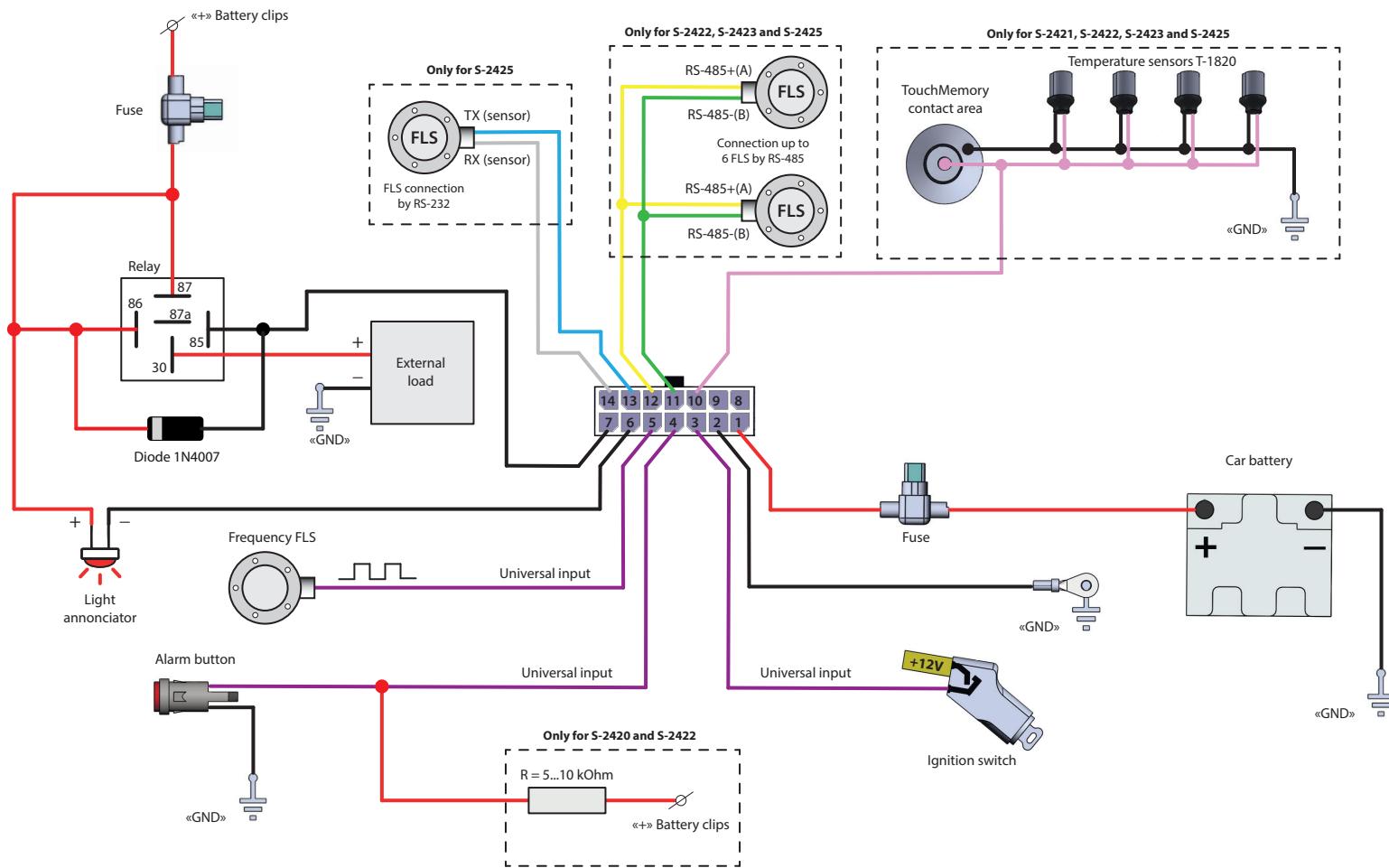


Built-in battery 110mA/h



Protection up to 200V

SCHEME



| | S-2420 | S-2421 | S-2422 | S-2423 | S-2425 | |
|--|--|--------------------------------|--------|--------|--------------------------------|--|
| GSM/GPRS/Bluetooth | | | | | | |
| GSM frequency bands | GSM 850, EGSM 900, DCS 1800, PCS 1900 | | | | | |
| GPRS class | V, multislot class 12 | | | | | |
| Transmitter power | Class 4 (2W) in GSM 850 and EGSM 900 / Class 1 (1W) in DCS 1800 and PCS 1900 | | | | | |
| Max data transfer kbit/s | 85,6 | | | | | |
| Holder of SIM card 1 | external with ejector, miniSIM | | | | | |
| Holder of SIM card 2 | ✗ | ✗ | ✗ | ✗ | internal,nanoSIM | |
| GSM jammer detector | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Bluetooth V4.0 | ✓ | ✓ | ✓ | ✓ | ✓ | |
| GNSS | | | | | | |
| Supported navigation systems | GLONASS/GPS/Galileo/QZSS | | | | | |
| Number of channels | tracking: 33, acquisition: 99 | | | | | |
| Sensitivity | tracking: -167 dBm / cold start: -149 dBm | | | | | |
| Time of coordinates | cold start: 29 sec / warm start: 22 sec / hot start: <1 sec | | | | | |
| Coordinates error | 2.5 (in plan), 5 (in height) | | | | | |
| Coordinates update rate, Hz | 1 | | | | | |
| GNSS jammer detector | ✓ | ✓ | ✓ | ✓ | ✓ | |
| POWER SUPPLY | | | | | | |
| Operating supply voltage, V1 | 9,5 to 47 | | | | | |
| Current consumption at 12 V | 80 | | | | | |
| (voltage in the operating mode in average2, mA) | | | | | | |
| Current consumption at 12 V | 20 | | | | | |
| (voltage with switched off GLONASS and GSM modules, without charge of the Accumulator battery is no more than, mA) | | | | | | |
| Maximum current consumption (at 12 V voltage in the operating mode, mA) | 200 | | | | | |
| Protection against polarity reversal | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Protection against prolonged (overvoltage up to 200 V) | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Built-in Accumulator battery3 | ✗ | Li-Po 3,7 V, at least 110 mA/h | | ✗ | Li-Po 3,7 V, at least 110 mA/h | |
| Presence of protection of the builtin Accumulator battery (recharge, full discharge, short circuit4) | ✗ | ✓ | ✗ | ✓ | ✓ | |
| Presence of clock quartz | ✗ | ✗ | ✗ | ✓ | ✓ | |
| Presence of backup battery for navigation module | ✓ | ✓ | ✓ | ✓ | ✓ | |
| Time of keeping of the RTC clock rate and ephemeris in a navigation module (with the power off and discharging of the built-in Accumulator battery) | 5 days | | | | | |
| Integrated accumulator charging from USB | ✗ | ✓ | ✗ | ✓ | ✓ | |

| | S-2420 | S-2421 | S-2422 | S-2423 | S-2425 |
|---|---------------|---------------|----------|---------------|---------------|
| INTERFACES/SENSORS | | | | | |
| Input line protection V | up to 200 | | | | |
| Total number of generic (analog, discrete, pulse-frequency) | 3 input lines | | | | |
| Availability of built-in tightening (PULL UP) for lines, set up as discrete or pulse frequency inputs | ✗ | ✓ | ✗ | ✓ | ✓ |
| Measuring range by input lines, set up as analog | 0 to 31V | | | | |
| Working range with frequency | 1 - 3000 Hz | | | | |
| Fuel Level Sensors, Hz | | | | | |
| USB interface | ✓ | ✓ | ✓ | ✓ | ✓ |
| RS-485 digital interface | ✗ | ✗ | ✓ | ✓ | ✓ |
| RS-232 digital interface | ✗ | ✗ | ✗ | ✗ | ✓ |
| 1-Wire interface | ✗ | ✓ | ✓ | ✓ | ✓ |
| Number of output lines of the “open collector” type for the external devices control | 2 | | | | |
| Maximum switching current by the output control lines | 500 mA | | | | |
| Maximum switching voltage by the output control lines | 48 V | | | | |
| Built-in 3-axis accelerometer | ✓ | ✓ | ✓ | ✓ | ✓ |
| Maximum overload in case of an impact, measured by the device, g | 8 g | | | | |
| PERFORMANCE | | | | | |
| Enclosure protection level | IP54 | | | | |
| Maximum allowable overload during impacts | 24g | | | | |
| Storage temperature with the built-in Accumulator battery | ✗ | 0 to +40° C | ✗ | 0 to +40° C | 0 to +40° C |
| Storage temperature without the built-in Accumulator battery | 0 to +40° C | | | | |
| Operationg temperature with the built-in Accumulator battery | ✗ | -20 to +60° C | ✗ | -20 to +60° C | -20 to +60° C |
| Operationg temperature without the built-in Accumulator battery | -40 to +85° C | | | | |
| Temperature at which the built-in Acc- umulator battery is possible to charge | ✗ | 0 to +60° C | ✗ | 0 to +60° C | 0 to +60° C |
| Maximum allowable humidity level at 35°C | 95% | | | | |
| Device overall dimensions with connectors | 102x57x22 mm | | | | |
| Mass of the device | 0,067 kg | 0,083 kg | 0,070 kg | 0,086 kg | 0,094 kg |