



Press " 62 " for automatically enable dial back when GPS location speed mode than 20 km under moving sensor activated mode.

Press " 61 " for manually enable dial back when GPS location speed mode than 20 km under moving sensor activated mode (pre-setted)

PS: (under the activate moving sensor trigger mode 52)

Dial back testing, press " 71 " dial back the 1, 2, 3 sets numbers.

Press " 8 " for in car bugging

Under none encryption protection mode, press " 8 " directly without press the pass code.

Press " 9 " from leaving mode back to tracking mode or not pressing any keys in 10 seconds to enable from leaving mode back to tracking mode.

After anti-thief dial back mode, take the call and dial " * * * " to disable the dial back

NOTE: Please press at 2 seconds intervals in each button

SMS Example:

SMS Short message

ALARM = Anti-thief trigger dial back

SENSOR = moving sensor trigger dial back

SOS = ask for help dial back

V, N, 23" 51' 15.6, E, 120" 38' 09.6, 020. 3, 359. 9

V = GPS last location

A = GPS current location

N, 23" 51' 15.6 = North 23" 51' 15.6

E, 120" 38' 09.6 = East 120" 38' 09.6

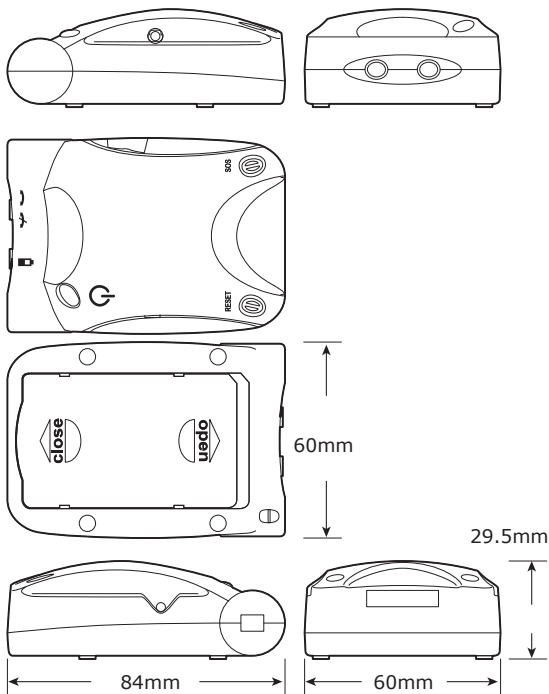
020.3 = Speed (sea mile)

359.9 = Direction



24

Dimension:





GPS Receiver Specifications

| | |
|----------------------------|---|
| Chipset | SiRF Star III |
| Protocol | NMEA0183 GGA, GSA, GSV, RMC, GLL |
| Baud Rate | 4800, N, 8, 1 |
| Max. Update Rate | 1 Hz |
| Datum | WGS84 |
| Channel | 20 channel |
| Frequency | L1, 1575.42MHz |
| Hot Start | 8 sec. Average |
| Warm Start | 38 sec. Average |
| Cold Start | 48 sec. Average |
| Reacquisition Time | 100 ms |
| Position Accuracy | 15m 2D RMS, SA off |
| Maximum Altitude | 18,000m |
| Maximum velocity | 515m/s |
| Voltage | DC 3.3V+-10% |
| Power consumption | 90mA continuous mode |
| Antenna Type | Built-in active antenna |
| External Antenna Connector | MMCX (Optional) |
| Dimension | 84 (L) x 60 (W) x 29.5 (H)mm |
| LED Indicator | 3D Positioning (blinking) or Searching GPS (on) |



GSM module features

| Feature | Implementation |
|---|---|
| Power saving | Minimizes power consumption in SLEEP mode to 3mA |
| Charging | Supports charging control for Li-Ion battery |
| Frequency bands | <ul style="list-style-type: none"> MC55 Tri-band: EGSM 900, GSM 1800, GSM 1900 Compliant to GSM Phase 2/2+ |
| GSM Class | Small MS |
| Transmit power | <ul style="list-style-type: none"> Class 4 (2W) at EGSM900 and GSM850 Class 1 (1W) at GSM1800 and GSM1900 |
| GPRS Connectivity | <ul style="list-style-type: none"> GPRS multi-slot class 10 GPRS mobile station class B |
| Temperature range | <ul style="list-style-type: none"> Normal operation: -20°C to +55°C Restricted operation: -25°C to -20°C & +55°C to +70°C |
| Temperature control and auto switch-off | <ul style="list-style-type: none"> Constant temperature control prevents damage to MC55/56 when the specified temperature is exceeded. When an emergency call is in progress the automatic temperature shutdown functionality is deactivated. |
| DATA | <div>GPRS: <ul style="list-style-type: none"> GPRS data downlink transfer: max. 85.6 kbps GPRS data uplink transfer: max. 42.8 kbps Coding scheme: CS-1, CS-2, CS-3 and CS-4 Supports the two protocols PAP (Password Authentication Protocol) and CHAP (Challenge Handshake Authentication Protocol) commonly used for PPP connections. Support of Packet Switched Broadcast Control Channel (PBCCH) allows you to benefit from enhanced GPRS performance when offered by the network operators. </div> <div>CSD: <ul style="list-style-type: none"> CSD transmission rates: 2.4, 4.8, 9.6, 14.4 kbps, non-transparent, V.110 Unstructured Supplementary services Data (USSD) support </div> <div>WAP: <ul style="list-style-type: none"> WAP compliant </div> |
| SMS | <ul style="list-style-type: none"> MT, MO, CB, Text and PDU mode SMS storage: SIM card plus 25 SMS locations in the mobile equipment Transmission of SMS alternatively over CSD or GPRS. Preferred mode can be user-defined. |
| MMS | MMS compliant |