LOSTnFOUND® LENTICUS

LENTICUSrugged

Technical specification

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Device Connectors & Wire Assignment

Devic	e		
1	GPS LED	LED Indicator	
2	GSM LED	LED Indicator	
3	GPS conn.	SMA Connector for external GPS Antenna	
4	Cables	Cable harness	
5	SIM-Card	Do not remove until advised by LnF Customer Service	



Cable harness

Color	Signal Name	Description	I/O	Remark
Red	DC IN	Power supply input	I	DC Vin = $+8 \sim +30$ V
Black	GND	Signal ground	_	
Brown	Ignition	Ignition (ACC) Input	I	DC Vin = $+30 \sim +7V$ (Active high)
Orange	Output 1	Open-Collector	О	Imax = 300mA
Gray	Output 2	Open-Collector	O	Imax = 300mA
Yellow	Input 1	Negative Trigger	I	DC VIN = $+6V \sim 0V$ (Low Active)
Green	Input 2	Positiv Trigger	I	DC Vin = $+30 \sim +7V$ (Active high)
Blue	Analog input 1	Analog Input	I	DC VIN = $+30V \sim 0V$
USB	Service	Do not use until advise	ed by Ln	F Customer Service



GPS LED Indicator

Power Mode	GPS Status	GPS LED
Power Off	N/A	Off
Low Power	N/A	Off
Full Power	Acquiring	Flash (5x / sec.)
Full Power	Tracking	Solid

GSM LED Indicator

Power Mode	GSM/GPRS Status	GSM LED
Power Off	N/A	Off
Low Power	N/A	Off
Full Power	Acquiring	Flash (3x / sec.)
Full Power	Registered	Solid



Technical Specification

Characteristics	
Dimensions (L x W x H)	72mm v 00mm v 33mm
Weight	
Ingress Protection	
	11 07 (Wattorproof)
Radio Performance	
Frequency	Quad-band 850/900/1800/1900MHz
GSM Functionality / GPRS	
GPRS Mode	Multi-slot Class 10
GPRS Coding Scheme	CS1,CS2,CS3 and CS4
GSM Antenna	Internal
SIM Interface	SIM Card 1.8V, 2.9V Supported
GPS Functionality	
· ·	50 Channels
Sensitivity (Tracking)	-160dBm
Antenna Type	External GPS Active Antenna, 3.3V
Connector	SMA Female
GPS Protocol	NMEA 0183 Ver3.0
Onboard Components	
_	32-bit Microcontroller
Data Memory	
	3-axes Acceleration Sensor
LED Indicator	GPS and GSM Indicator
Interface I/O	
Power / IO Connector	8 Wires / 1x IISB
Tower / To connector	Positive Triggers: 2 (incl. Ignition)
Input Ports	Negative Trigger: 1
P	Analog Input: 1 (0~30V, 12 Bits)
Output Ports	2 max. current 300mA
Electrical	
Power Source	DC. 8V to 30V
10,001 204100	72mA @ 12V (Operating Mode)
Power Consumption	8mA @ 12V (Standby Mode)
	6mA @ 12V (Deep Sleep Mode)
Environment	
	-20 °C to +70 °C (Without Backup Battery)
Operating Temperature	-20 °C to +60 °C (With Backup Battery)
Pattory	
Battery Rechargeable Backup Battery	000mAh
rectiaty easie backup battery	JUUIIAII



Disclaimer Notes

General

This LOSTnFOUND® LENTICUS Series device works solely based on the GSM (Global System for Mobile Communication) & GPS (Global Positioning Satellites) Coverage. Thus, its functionalities solely rely on the availability of the network coverage. The manufacturer, its subsidiaries, authorized dealers, distributors and installers do not warrant the operation of this device will be not interrupted or error-free.

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