GLOBALSAT WORLDCOM CORPORATION
PRODUCT SPECIFICATIONS

MODEL: LS-134

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Company Name: GLOBALSAT WORLDCOM CORPORATION

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Revision History

Rev. No.	Change History	Issue Date	Remark
0.1	Initiation	2017/4/26	Preliminary
1.0	Launch	2017/9/19	
1.1	Update Weight	2017/11/23	Release

Introduction:

The LS-134 is kinds of M2M/IoT station with LoRaWAN^{TM} compliant for smoke and heat detectors save lives by LoRa every day. These small but effective devices are a vital fire safety early warning system, in both the workplace and the home. While it's critical to have smoke detectors installed both at home and at work, it's even more important to have smoke detectors operating at home. Each year, more and more deaths occur in households. Tragically, children under five years of age die at twice the rate of all others. To prevent this from happening, many countries like Germany, the USA and Japan have imposed new strict fire codes that require a smoke or a gas detector to be installed in every single house. Based on decades of research and development, Globalsat is a leading manufacturer of the residential safety products, serving OEM customers as well as selected distribution partners worldwide. We focus on Advanced Photoelectric Sensing Technology to optimize reliability and reduce environmental risks in all of our products. We offer a comprehensive range of high-quality products for fire and gas detection. All of our products meet international standards and are available for OEM/ODM projects.

Product Features:

Radio:
- LoRa^{TM}

Detector Suite:
- Smoke Detector
- Heat Detector

H/W Specifications

Detector Type	Single Station Smoke & Heat Detector
Battery Power	Rating Voltage: DC 3V for lithium battery
Sensitivity & Alarm PatternUL217	1.31%/ft ~ 2.28%/ft ; Temporal Three Pattern
Sensitivity & Alarm PatternEN14604	0.091dB/m ~ 0.149dB/m ; Temporal Three Pattern
Smoke Sensitivity UL268	recognize component
Heat Sensitivity-UL217	57℃ ~ 65 ℃ (136°F~149°F) ; Temporal Three Pattern
Heat Sensitivity-EN 54-5	A2S：54℃ ~ 70℃ ; Temporal Three Pattern
Standby Current	Max. 15 uA(EN)/25 uA(UL) RF module: Max. 10 uA
Start Current	Max. 3.5mA
Alarm Current	Max. 100 mA RF module: Max. 60 mA
Relative Humidity	10% to 85%RH
Operate Temperature	0℃ ~ 49℃ (32°F~120°F)
LoRa Module	LM-130H1
Antenna	CHIP Antenna
Frequency	863-870MHz (EU) 902-928MHz (US)
Transmission Power	862-870MHz (EU) @ 14dBm 902-928MHz (US) @ 20dBm
Current Consumption	Receiving: 21 mA (typical) Transmitting: 125 mA (typical) Sleeping: 5 uA (typical)
Transmission Distance	1KM~10KM (980bps)
Receiving Sensitivity	-132dBm@ 980bps
Operate Temperature	0℃ ~ 49℃ (32°F~120°F)
Dimensions	(Diameter)120 mm x (Depth)53 mm
Weight	112.5g
Certification	UL, VdS, CE, FCC, TELEC (IC reserved)