VSAIL

VI-6627 Digital Smoke Detector

BEIJING VSAIL FIRE PROTECTION EQUIPMENT CO. LTD.

BUILDING 32, HUILONGSEN TECHNOLOGY PARK, NO.99 14TH KECHUANG STREET, BDA, BEIJING, PRC 100176
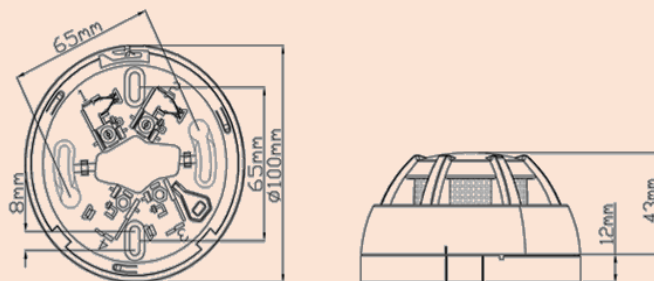
FEATURES

* Electronic addressing

* 360° visible LED

* Four sensitivity modes

* High performance on slow burning/smoldering fire

* Build-in program of d   rift compensation

* Digital algorithm and judgment

* Special chamber against interferences

* Talented plug-in structure without screw
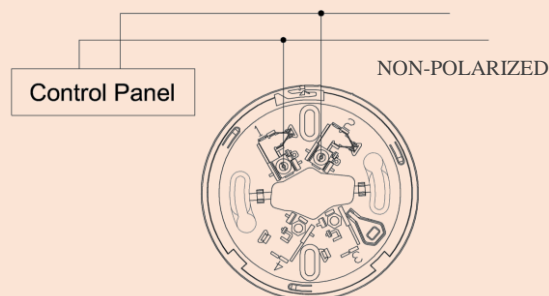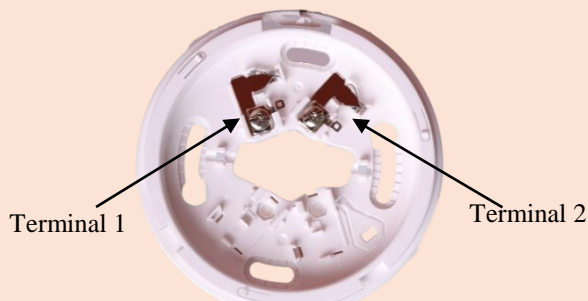
* LPCB approval to EN54-7

LPCB
1174d/02

DESCRIPTION

VI-6627 is a digital type of optical smoke detector, which is fully compatible with VSAIL Digital Protocol and Intelligent Protocol. Based on principle of light scattering, the unique optical chamber is engineered to sense smoke by a wide range of combustion sources, as well as slow burning or smoldering fire. The detector is programmed with intelligent drift compensation to the variation of environment, in terms of temperature, humidity, dust and static. VI-6627 is condensed with unique and talented design on sense chamber, algorithm and plug-in structure without screw. There are four sensitivity modes available for different applications, such as clean room, hotel, flat, office, warehouse, library, museum and places with heavy moistures among the air, as well as applications where black smoke occurred.

DIMENSION

WIRING INSTRUCTION

Terminal 1   Terminal 2

Control Panel   NON-POLARIZED

TECHNICAL DATA

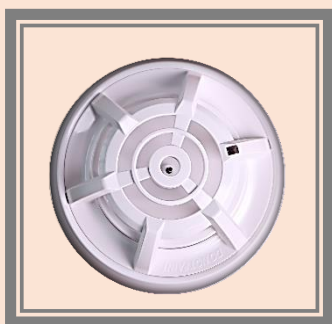| Operating Voltage	16VDC-28VDC	Humidity	≤95%RH,（40±2℃）No condensation
Standby Current	≤0.5mA	Indicator	Flash as Standby, Illuminate as Alarm
Alarm Current	≤1.0 mA	Sensitivity	4 levels
Temperature range	-10℃~50℃	Weight	120g
Material of Enclosure	ABS	Base	VB-6617

VI-6637 Digital Heat Detector

BEIJING VSAIL FIRE PROTECTION EQUIPMENT CO. LTD.

BUILDING 32, HUILONGSEN TECHNOLOGY PARK, NO.99 14TH KECHUANG STREET, BDA, BEIJING, PRC 100176
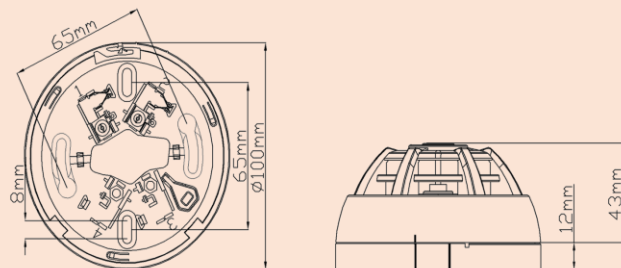
FEATURES

* Electronic addressing

* 360°visible LED

* Thermal sensor with high sensitivity

* Classification of A1R and A2

* Principle of Fixed Temperature and Rate of Rise

* Talented plug-in structure without screw

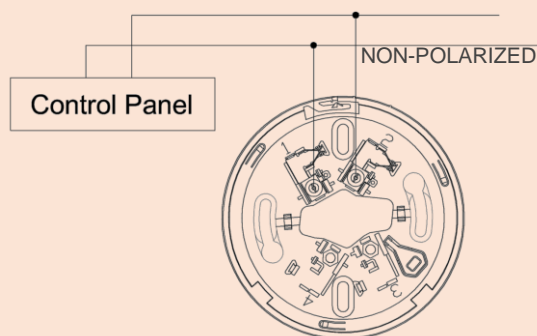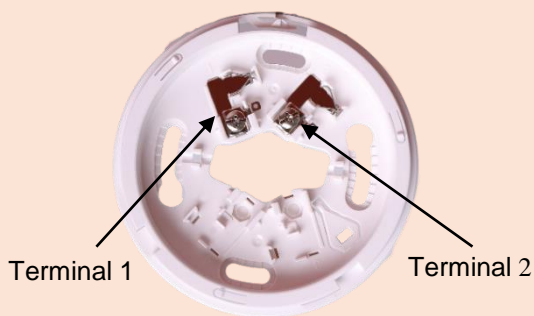* LPCB approval to EN54-5

LPCB
1174d/02

DESCRIPTION

VI-6637 is a digital type of dual heat detector, which is fully compatible with VSAIL Digital Protocal and Intelligent Protocal. The detector initiates an alarm in response to both rapid rate-of-rise conditions and fixed temperature. It is equipped with high-sensitivity thermal sensor for fast responding to the variation of temperature. VI-6637 is condensed with unique and talented design on thermal sensor, algorithm and plug-in structure without screw. The detector is suitable for the environment without smoke but a lot of dust or the places where smoke and vapor stay, such as parking lot, boiler room, generator room, drying workshop, etc.

DIMENSION

WIRING INSTRUCTION

Terminal 1   Terminal 2

NON-POLARIZED

Control Panel

TECHNICAL DATA

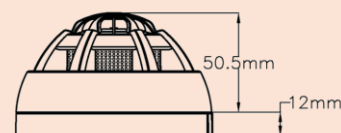|			
Operating Voltage	16VDC-28VDC	Indicator	Flash as Standby, Illuminate as Alarm
Standby Current	≤0.5 mA	IP Rating	32
Alarm Current	≤1.0 mA	Dimension	D-100mm, H-43mm (without base)
Classification	A1R or A2	Humidity	≤95%RH, （40±2℃）No condensation
Material of Enclosure	ABS	Weight	120g
Temperature range	-10℃～50℃	Base	VB-6617

VI-6647 Multi Sensor Detector

FEATURES
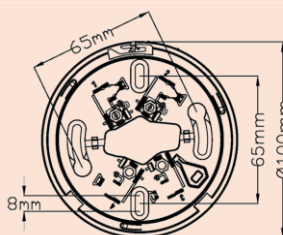
* Electronic addressing

* 360° visible LED

* Principle and function same as VI-6627 & VI-6637

* One Sensitivity Mode 2

* Classification of A1R and A2

* Smoke chamber against interferences

* Thermal sensor with high sensitivity

* Build-in Drift compensation

* Talented plug-in structure without screw
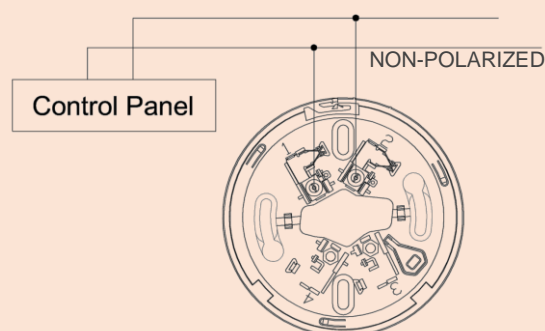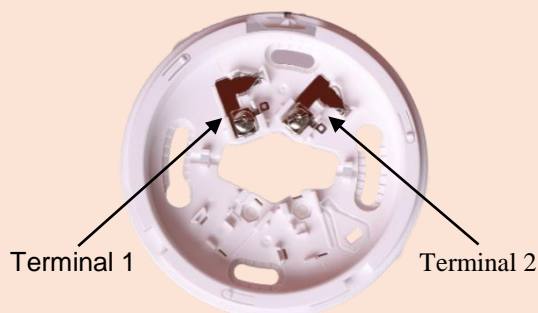
* LPCB approval to EN54-5 & EN54-7

DESCRIPTION

VI-6647 is a digital type of multi criteria detector, which is fully compatible with VSAIL Digital Protocal and Intelligent Protocal. This multi-sensor detector contains an optical smoke chamber and a temperature thermistor, whose outputs are combined to give a digital value for a threshold of fire. The smoke function and heat part could be switched "on" or "off" respectively. VI-6647 is condensed with unique and talented design on smoke chamber, thermal sensor, algorithm as well as plug-in structure without screw. It offers good response to both smoldering and flaming fires, which is suitable for most general applications.

DIMENSION

WIRING INSTRUCTION

Terminal 1   Terminal 2

NON-POLARIZED

Control Panel

TECHNICAL DATA

Operating Voltage	16VDC-28VDC		Sensitivity	Mode 2
Standby Current	≤0.5mA		Humidity	≤95%RH,（40±2℃）No condensation
Alarm Current	≤1.0 mA		Indicator	Flash as Standby, Illuminate as Alarm
Temperature range	-10℃~50℃		Wiring	Non-polarized
Classification	A1R/A2		Weight	120g
Material of Enclosure	ABS		Base	VB-6617