

P.T.S[®]

LHHD **Linear Heat Detector**



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PTS – PROTECTING YOUR SAFETY

In the 1990s PTS developed a linear heat fire detection system for China, and has developed a strong scientific research base with a culture of innovation for years. The Company now holds 110 patents and has received a number of awards for enterprise, science and technology from various authorities.

The Company's portfolio of products comprises all types of linear heat detectors, including detectors for vehicles. These products have won acclaim in the market and PTS linear heat detectors have become the prerequisite products for security in commercial, industrial and highly protected environments, including the State Grid, utility tunnels, energy generation plants, road and rail transport systems and heavy manufacturing industry.

As such PTS products are now sold in around 30 countries in the regions of Europe, Middle East, South-East Asia and Africa.

All products hold third-party certification from major international agencies, which include FM, UL, CE marking, EAC and ATEX. The international and domestic market share of PTS is increasing year on year.

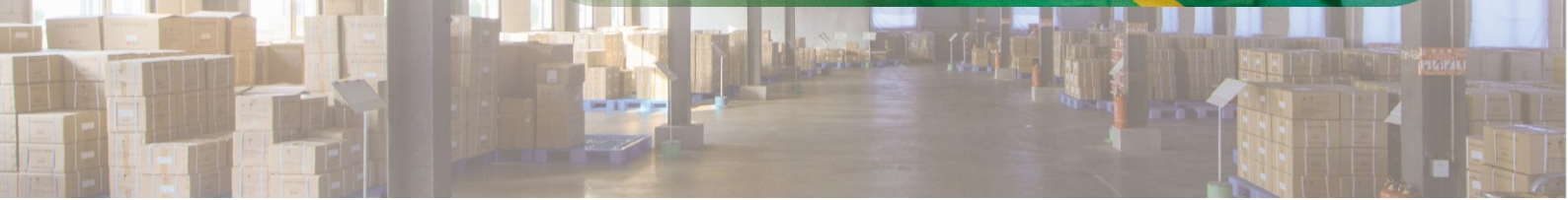
In the last 30 years PTS has adhered to the business philosophy of quality, efficiency, and enterprise.

30+
years of history

25000+
m² production base

30+
sold in 30+ countries

110+
patents



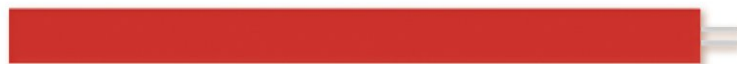
Linear Heat Cable

Type	Items	Diameter of core conductor	Alarming Temperature	Storage Temperature	Ambient Temperature (Min)	Ambient Temperature (Max)	Acceptable deviation	Responding Time(s)
	MS1000 68°C MS1000 CR/OD 68°C MS1000 EP 68°C	0.92mm	68°C	-20°C~50°C	-40°C (MS1000&EP) -55°C (CR/OD)	45°C	±3°C	10(Max)
	MS1000 88°C MS1000 CR/OD 88°C MS1000 EP 88°C		88°C			60°C	±5°C	10(Max)
	MS1000 105°C MS1000 CR/OD 105°C MS1000 EP 105°C		105°C			75°C	±5°C	15(Max)
	MS1000 138°C MS1000 CR/OD 138°C MS1000 EP 138°C		138°C			93°C	±5°C	20(Max)
	MS1000 180°C MS1000 CR/OD 180°C MS1000 EP 180°C		180°C			121°C	±8°C	20(Max)

MS1000 68°C Outer jacket: PVC



MS1000 88°C Outer jacket: PVC



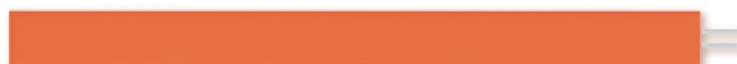
MS1000 105°C Outer jacket: PVC



MS1000 138°C Outer jacket: PVC



MS1000 180°C Outer jacket: PVC










MS1000 CR/OD Outer jacket: Fluoroplastic



MS1000 EP Outer jacket: PVC+Stainless Steel Braid



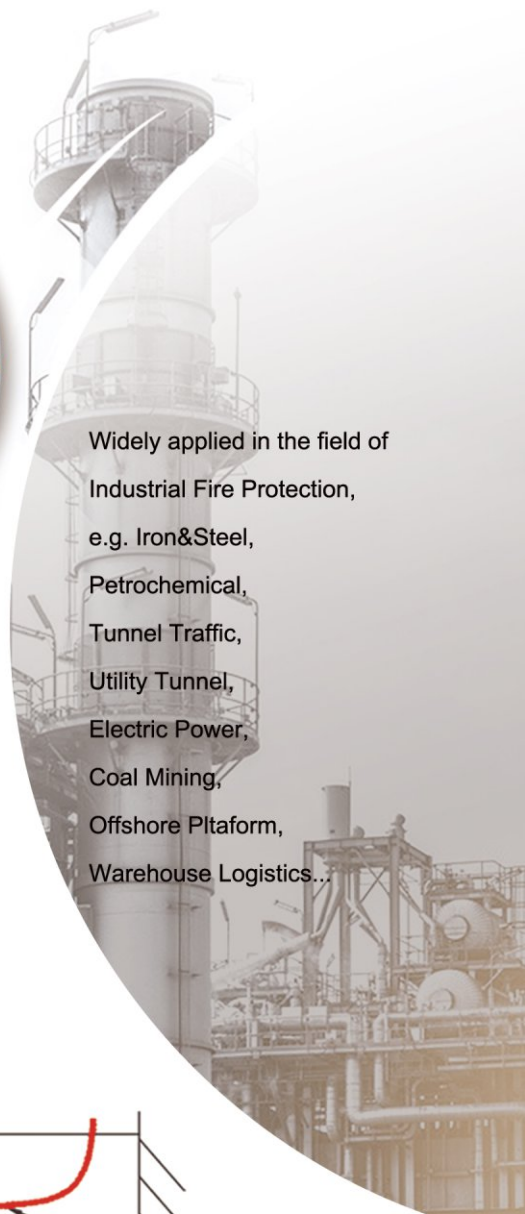
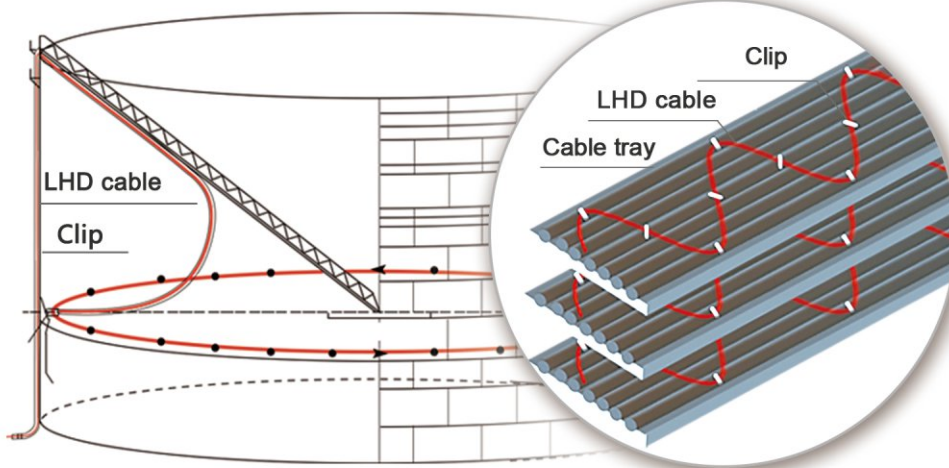
Adapter Unit & Termination Unit

Products	Adapter Unit	Termination Unit	Termination Unit (ATEX)
UL Approval			
FM Approval			
Operating Voltage	24VDC	No Electricity	
Allowed Voltage Range	16VDC~28VDC		
Operating Environment	Relative humidity: 95%		
	Temperature: -45°C~+60°C		
Ex classification	N/A		 II 2G Ex ib IIC T6 Gb  II 2D ex ib IIIC T85°C
IP Rating	IP66		
Materials of Shell	Aluminum Alloys		
Dimensions	127mm*85mm*58mm (L*W*H)		
Operating Current	Standby Current:≤20mA Fire Current:≤35mA Fault Current:≤25mA		
Linear Heat Cable used with	Digital MS1000 conventional type, MS1000 CR/OD type and MS1000EP type 68°C, 88°C, 105°C, 138°C, 180°C		Digital explosion proof type MS1000 EP type 68°C, 88°C, 105°C, 138°C, 180°C
Fire detection distance	500 meters		



Oil tank

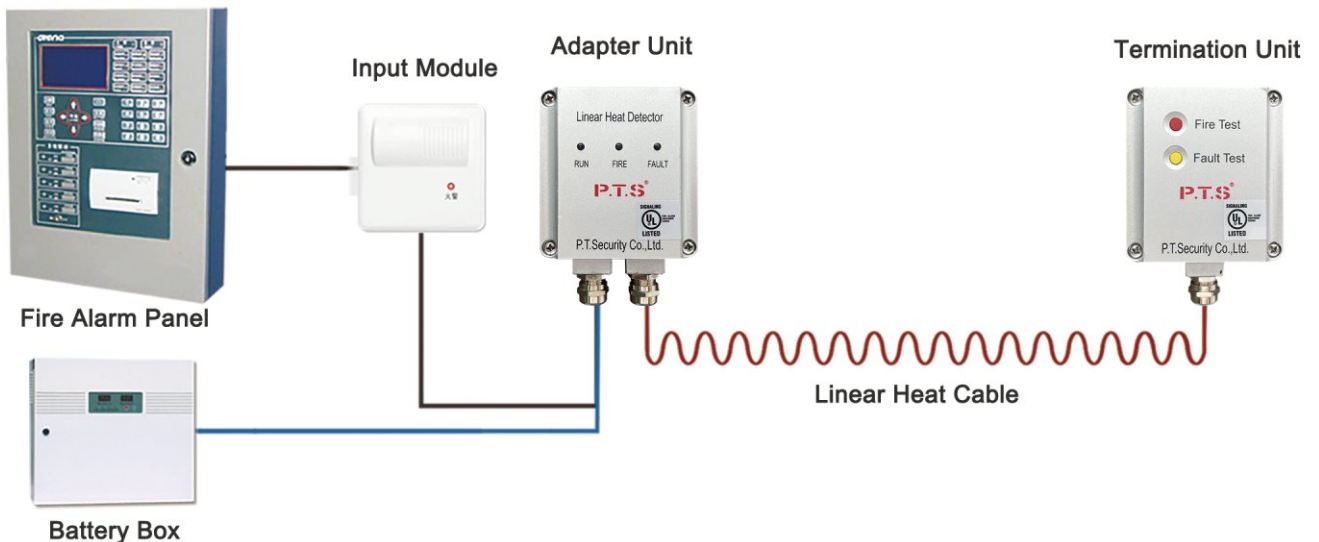
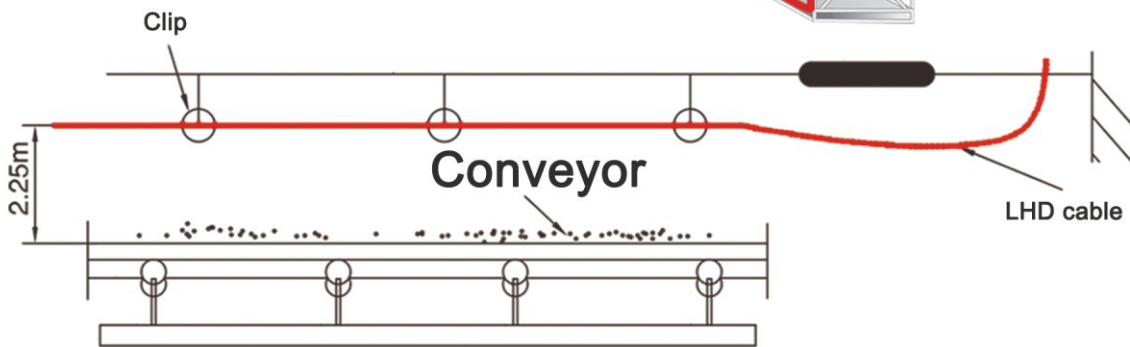
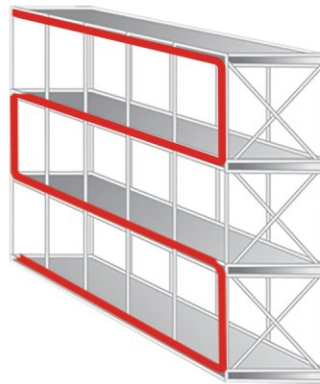
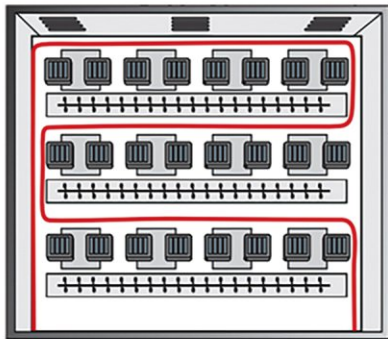
Cable tray



Widely applied in the field of Industrial Fire Protection, e.g. Iron&Steel, Petrochemical, Tunnel Traffic, Utility Tunnel, Electric Power, Coal Mining, Offshore Platform, Warehouse Logistics...

Distribution Equipment

In rack



Fire Alarm System connection diagram

TYPICAL PROJECTS

- Xinhai Chemical Project
- Maoming Petrochemical Project
- Beijing Subway Line 12 Project
- Beijing Daxing International Airport Project
- Turpan Huadian Power Project
- Nuclear SNG Project
- Ansteel Project
- Liuzhou Steel Sintering Project
- Haikou Yelin Utility Tunnel Project
- Moscow Metro project
- Zimbabwe Power Plant Project
- Republic of Chad Airport project
- Vietnam Duyen Hai II Power plant fire alarm project
- Indonesia Golenvoro Thermal power plant fire alarm project
- Pakistan Jamushoro Thermal power plant fire alarm project
- Pengerang Integrated Petroleum Complex fire alarm project
- Jordan 2 × 235 MW attarat oil shale power plant fire alarm project

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