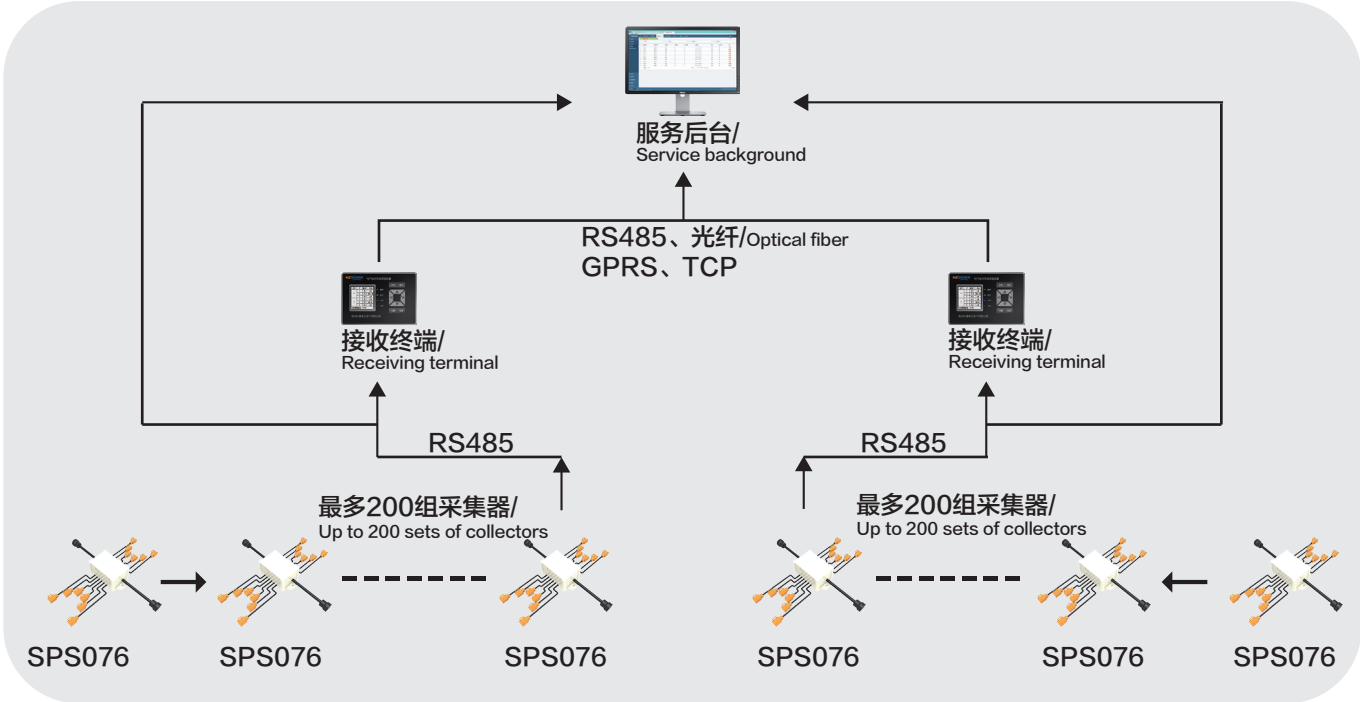


系统TOP图 /TOP diagram of system



接收终端介绍 /Receiving terminal introduction

	SPW2001F
产品图片 / Product Picture	
显示数量 / Displaying Number	2400点 / Points
蜂鸣功能 / Buzzer Function	有 / Yes
通讯方式 / Communication Mode	RS485、光纤 / Optical Fiber、GPRS、TCP
环境温湿度控制功能 Temperature control function of Environmental temperature	有 / Yes
安装方式 / Ways of Installation	嵌入式 / Embedded, 导轨式 / Guide rail, 壁挂式 / Wall-mounted
开孔尺寸 / Wiring Diagram	120*180

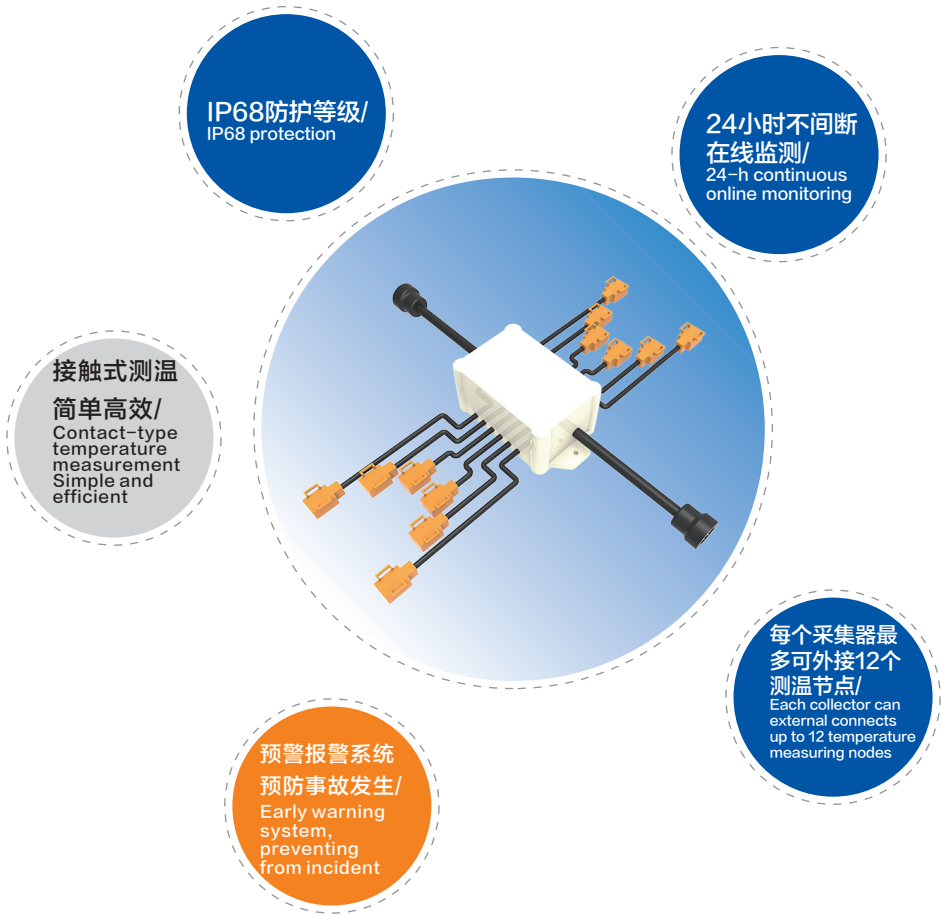
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Hangzhou Super Electronic Technology Co.,Ltd  
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SPS076 电缆温度传感器/Cable temperature sensor



随着国民经济的发展，各行各业对电力电缆需求量越来越大，其火灾事故的发生机率也相应增加。火灾将导致大面积电缆烧损，造成重大经济损失。

通过事故的分析，火灾发生的原因是电缆接头质量不良、压接头不紧、接触电阻过大，长期运行所造成的电缆头过热烧穿绝缘、导致电缆沟内火灾的发生。

针对以上问题，我们设计了电缆温度在线监测系统。采用该监测系统可以达到如下的目的：

- 1) 实现24小时不间断在线监测，监测数据一超限即报警（声光报警）；
- 2) 提高管理效率，节约企业成本；
- 3) 避免危险区域人工巡检的困难和危险；
- 4) 实施预警报警系统，提前发现事故征兆，预防事故发生；

With the development of the national economy, the demand for power cables in all trades and professions is increasing and the occurrence probability of fire accidents is also increased accordingly. Fire will cause large area of burning losses of cables and cause heavy economic loss.

Through accident analysis, the causes of the fire is the poor quality of the cable joints, the unsuitable bonding heads and too large contact resistance and overheating and burnthrough of cable heads caused by long term operation, which lead to the occurrence of fire in the cable trench.

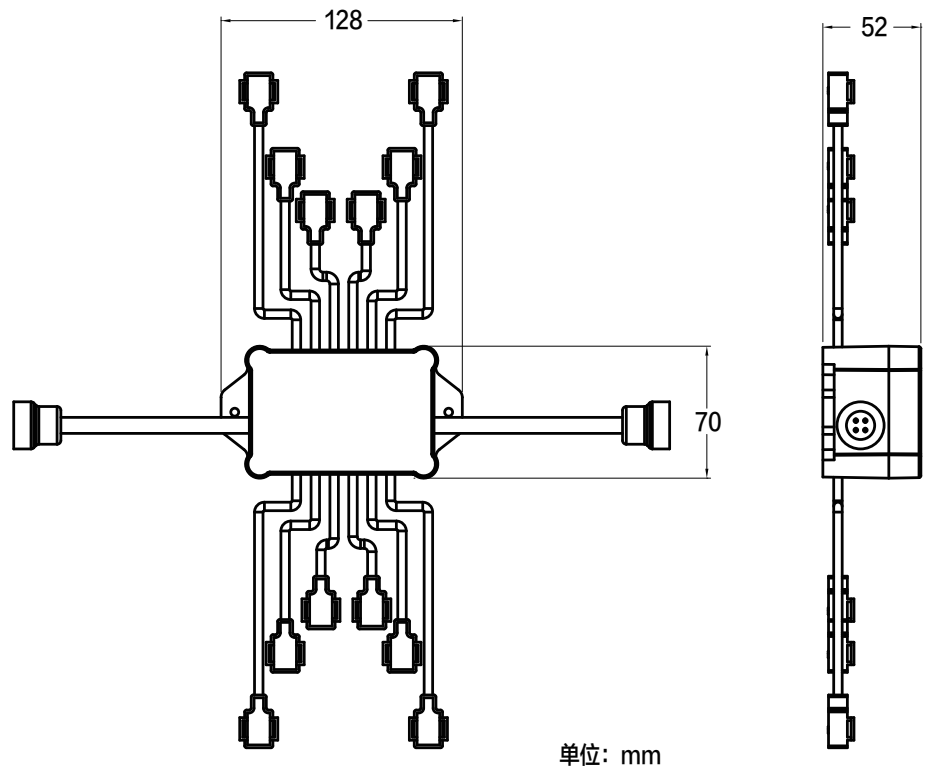
In view of the above problems, we designed the cable temperature online monitoring system. The following purpose can be achieved by using this monitoring system:

- 1) Realize 24-h continuous online monitoring and sound the alarm once the monitoring data exceed the limit;
- 2) Improve management efficiency and save enterprise cost;
- 3) Avoid the difficulties and dangers of manned patrol in dangerous areas;
- 4) Implement the warning message system to detect the accident symptoms in advance and prevent the accidents

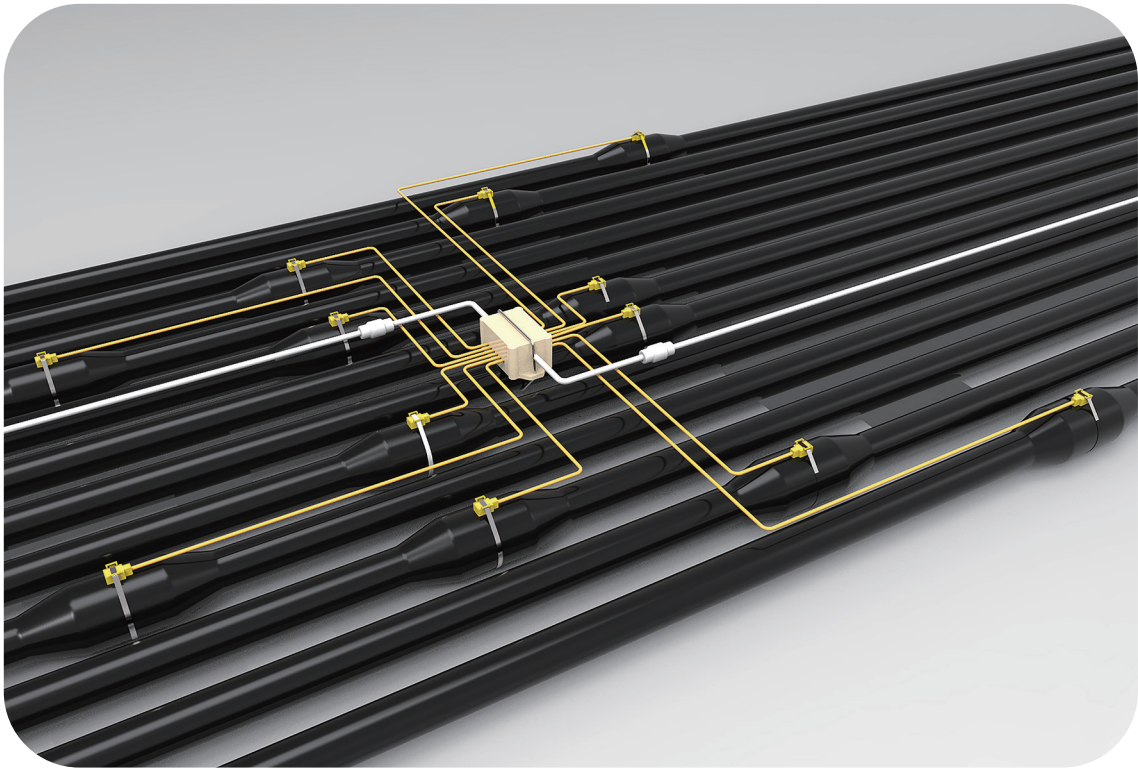
产品参数 /Parameters of product

项目/ Items	参数/ Parameters
测温点/Temperature measurement point	6点标配（可扩展至12点）/ standard configuration of 6 points（can be extended to 12 points）
通讯方式/Mode of communication	RS485
声光报警/Audible-visual warn	有/with
安装方式/Method of installation	捆绑式/Bundled
工作电压/Operating voltage	DC 36V
功耗/Power consumption	≤0.1W
通讯速率/Communication rate	9600 bps
工作温度/Operating temperature	-40℃ ~ 85℃
测量温度范围/Range of measured temperature	-45℃ ~ 125℃
测量温度精度/Accuracy of measured temperature	±1℃
工作湿度/Operating humidity	≤95%RH
防护等级/Level of protection	IP68
海拔高度/Altitude	≤4000m
传感器引线长度/Length of sensor wires	最长10m/The longest is 10 meters
环境温度采集/Environmental temperature collection	有（选配）/with（selective configuring）

外形尺寸 /Dimension



应用效果图示 / Illustration of application effect



电缆温度传感器安装示意图 /Installation diagram of cable temperature sensors

