

双向型-光电式接近开关 XT-PESW-B (光电开关)
Bi-directional optoelectronic proximity switch (optoelectronic switch)

使用说明书

Operating Instruction Manual

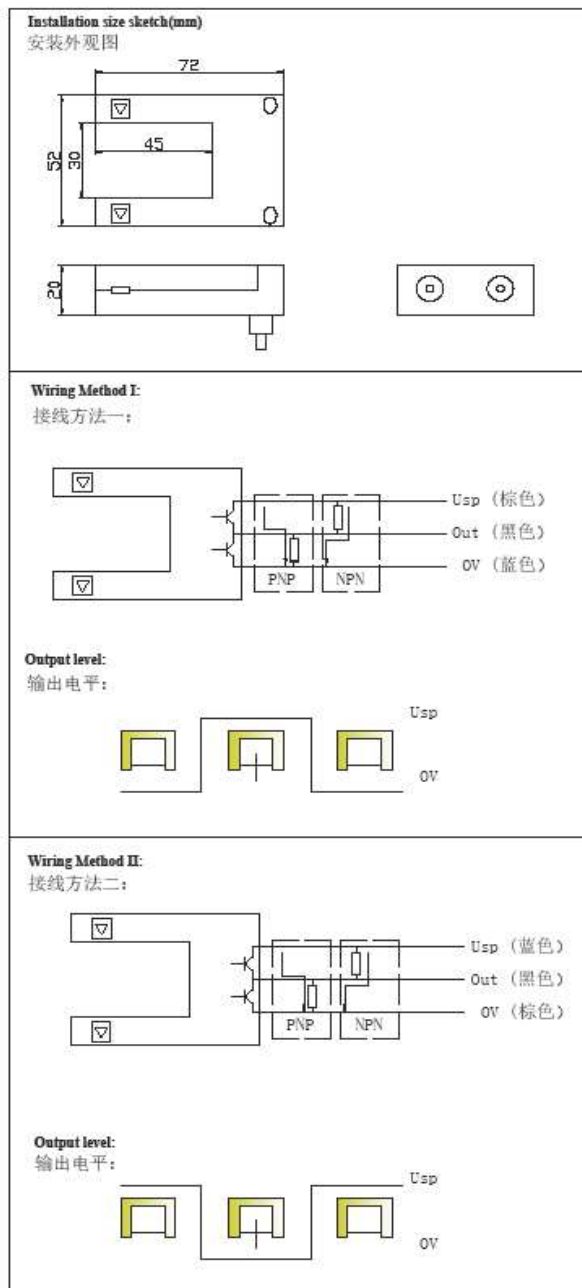
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Thank you for choosing products of Xietong Technology

为确保该产品正常使用，请在使用前仔细阅读以下内容

To ensure normal use of products, please read below contents carefully before use

- 安装方式
- Installation method



■ 技术参数

■ Technical parameters

型号 Model	XT-PESW-B
探测物体 Detectable objects	Φ5.0mm 以上不透明物体 Opaque objects of more than Φ5.0mm
应答时间 Response time	≤250us
电源电压 Power supply and voltage	DC 10-36V 纹波: P-P 10% 以下 DC 10-36V ripple: P-P 10% below
消耗电流 Current consumption	< 60mA(空载) <60mA (no load)
使用光源 Used light source	红外发光二极管(调制) Infrared emitting diode (modulation)
动作模式 Action mode	遮光动作 Shading action

控制输出 Control output	负载电流: 200 mA(MAX) Load current: 200mA (MAX)
保护电路 Protective circuit	负载短路保护, 电源反接保护, 反电势保护 Load short-circuit protection, power supply transposition protection and back-emf protection
配线参数 Parameters of supporting wires	线型: RVV 3*0.12m m ² 护套线长度: 1.5m Wire model: RVV 3*0.12m m ² sheathed wire: 1.5m in length
指示灯 Indicating light	通光时, LED 点亮, 开关 OFF; 遮光时, LED 熄灭, 开关 ON During light transmission, LED is on and the switch if OFF and during shading, LED is off and the switch is ON
连接方式 Connection mode	配线连接 Supporting wire connection
绝缘阻抗 Insulation resistance	>20mΩ (500VDC) >20mΩ (500VDC)
抗干扰 Anti-interference	电快速瞬变脉冲群抗扰度 ±2KV (GB/T 17686.4) Electrical fast transient burst immunity ±2KV (GB/T 17686.4)
抗震动 Anti-vibration	10~55Hz (周期 1 分钟) 振幅 0.5mm X,Y,Z 方向各 30 分钟 10-55Hz (cycle of 1min), amplitude of 0.5mm, 30min respectively in X, Y and Z directions
耐冲击 Impact resistance	300m/s ² (约 30g)11ms,X,Y,Z 方向各 3 次 300m/s ² (about 30g) 11ms, 3 times respectively in X, Y and Z directions
使用环境 Use environment	照度 100000Lux;温度-25~+65℃; 湿度 35~85%。不结冰凝露 Illuminance 100000Lux, temperature -25℃ - +65℃, temperature 35-85%. Non-freezing and condensation
防护等级 Protection grade	IP67
净重 Net weight	约 80g(不含支架及附件) About 80g (excluding the support and accessories)



警告
Warning

1. 用于对人身或财产影响大的机器（如：智能控制、医疗器械、车辆、铁路、航空以及安全装置等）时需要安装双重保护装置。
1. The double protection device shall be installed when it is applied to machines (such as: intelligent control, medical devices, vehicles, railways, airline and safety devices) that will impose considerable effect on humans or property.
2. 除本公司维修人员外严禁拆卸、改造本产品。
2. Others are strictly forbidden to dismantle and refit this product except maintenance personnel of this company.
3. 严禁在室外使用本产品，否则会缩短产品寿命。
3. Outdoor product use is strictly prohibited; otherwise, the service life of this product will be shortened.
4. 严禁在有易燃易爆气体的场所使用本产品。
4. It is strictly forbidden to use this product in an environment filled with flammable and explosive gases.



注意
Note

1. 请在额定电压范围内使用，且不可使用交流。
1. Please use this product within the rated voltage scope and AC is not allowed.
2. 请检查电源极性，是否有接错线，否则会导致产品无法正常工作。
2. Please check polarity of the power supply and confirm whether wrong wiring occurs to prevent this product from failing to normally work.
3. 严禁在强烈震动或冲击场所使用。
3. It is not permitted to use this product under an occasion with strong vibration or impact.
4. 请不要使用油性剂清洗本产品。
4. Please do not use an oiliness agent to clean this product.

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