Attention:

1. Don't conduct the hot line job, please electrify only after that it has been installed.
2. The installation position of the switch should be more than 1 meter to the load (the installation distance to the lighting fitted with shade may be above 50 cm), and the switch should not be installed at the place where there is direct strong light or at the inlet and outlet of the hot and cold air currents; within the same power loop should not use the mechanical switches and other electrical appliances as far as possible, otherwise it is easy to cause interference and malfunction.
3. It is prohibited to exceed the power limit.
4. Once the switches were connected, the load will start to work, regardless of the light environment. Only if there are people activities in the induction field, it will keep connecting, and will close when the people leave its induction field.
5. The time delay should be adjusted based on the reasonable situation of the usage premises, for example, the people may stay at some places without movement within 20 seconds, at this circumstance the time delay should be adjusted to be about 30 seconds, if there is people activity within 30 seconds, the switches will always be connected, therefore, there will not appear frequent switching phenomenon, but the time delay should not be too long, otherwise there will be unnecessary waste after people leaving.
6. The switches use the unit doublet probes, when people walk from left to right or from right to left, the sensor will be sensitive. But when people walk from the front or from top to down or even from bottom to top, the sensor will be insensitive or does not work. To meet the shortfall, the induction field has been increased, the switches have used the circular lens, so that all the four sides of the probe will be sensitive, but the up-down direction is still more insensitive than the right-left direction, therefore, when install the switch, should make the right-left direction to be parallel with the direction of human movement as far as possible (the wall switch position precisely meets this requirement, can not be considered, but the ceiling attached method should consider this requirements).
7. The infrared switches are used to detect the variance of the difference between the human body temperature and the ambient temperature, and the detected data will be affected by all kinds of factors such as the ambient temperature, the clothes worn by people, as well as the walk speed and direction.

(When the ambient temperature is low in Spring, Autumn and Winter, the induction distance is normal or further far, but when the ambient temperature is high at the Summer, the sensitivity will drop, the induction distance will be shortened, this is normal).

Automatic human body infrared induction switch manual

	Type	Description
□	TAD-K218D	Point-suction type, bipolar, all kinds of loads, high-power 1000 W
□	TAD-K220AC TAD-T28AC	86-type, Unipolar, incandescent lamp, load of ventilating fan
□	TAD-K220AR TAD-T28AR	86-type, Unipolar, all types of lamps
□	TAD-K220AD TAD-T28AD	86-type - 86, bipolar, all kinds of loads, high-power 1000 W
□	TAD-K220BC	Free-loaded, Unipolar, incandescent lamp, load of ventilating fan
□	TAD-K220BR	Free-loaded, Unipolar, all types of lamps
□	TAD-K220BD	Free-loaded, bipolar, all kinds of loads, high-power 1000 W
□	TAD-K215	Free-loaded, Unipolar, incandescent lamp, load of ventilating fan

Unipolar - Unipolar power supply, second-line connection(the same with the ordinary wall switch)

Bipolar - bipolar power supply, three-line connection(zero line is required).

Production implementation standards QC /ID 002-2007, approved standard number: QB/440300K9578-2000

The automation products based on infrared technology, they are high sensitive, high reliable, safety, and intelligent energy-saving, and therefore it will be the first choice for the intelligent buildings and the modern property management.

Features:

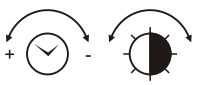
1. Full automatic induction: it will open when people are here and will close if the time delay is up after people leaving automatically.
2. It can measure the light automatically: photosensitive control, it will have no induction when there isdaylight or when the light is strong (set before leave factory). It can also be sensitive to any light condition or be sensitive all-day long.
3. Automatic random time delay: when the induction switches are connected, they will kee theconnection state within the time delay even if there is no people activity, and it will only close after thetime delay is up after people leaving. (The time delay will be renew if the switch has detect anotherhuman body movement, and take the time delay of the last detected people activity as the starting point for timing).

Application scope

The automatic lighting of the aisle, corridor, bathroom, basement, garage and other places, the automatic ventilation of the exhaust fan, the automatically switching control of the electrical equipments, as well as the anti-theft function and so on.

Direction for use

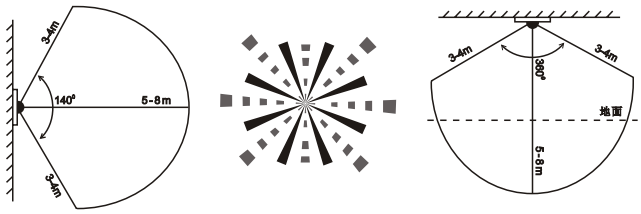
1. Install the switches properly according to the figure, there will be one minute of initialization time afterthe power-on of the switches, in the initialization time, the switch will automatically be alternative on- off for 0-3 times (if it is at the night or the light is low, or even has turn the sensitivity adjusting knob to theleft position which is the state of the daylight or strong light induction, the load will begin to work after the switch power-on), one minute later, the switch will be at the normal control state.
2. Time delay / sensitivity adjustment: time delay adjusting knob will be at the right end when leaving factory (the time delay is about 16 seconds). The time delay will extend when adjusting the knobcounter-clockwise (the longest time delay is about 350 seconds); Sensitivity adjusting knob will be at the right end when leaving factory (no induction under the strong light), the sensitivity will increase when adjusting the knob counter-clockwise, to the end of the adjusting strode, it will be sensitive all-day long.



(Note: cut off the power prior to regulating, the adjusting rangeof the knob is only about 180 degree (it is only one half-circle, not one whole-circle), please adjust lightly, so as to avoid damage the potentiometer).

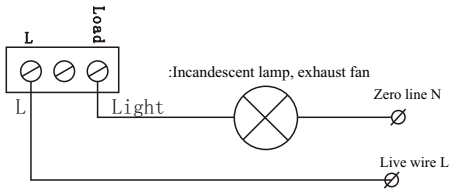
Technical parameters

1. Operating voltage: ACll0-250V (50/60Hz)
2. Ambient temperature: -20 'C - +50' C
3. Own power: <0.016W
4. Load type: Incandescent lamp, ventilating fan, various types of lamps, be available to all electric apparatus.
5. Load power: 25W-200W; 5W-200W; OW-1000 W; (Note: when connecting the inductive load, the maximum power will drop 40 percent).
6. Output forms: positive output (be close usually, open after induction); reverse output (be open usually, close after induction), with beep alarm (about 70 decibels)
7. Optical control range (adjustable): 5Lux-500Lux ± 20% (default setting is 5 Lux ± 20%)
8. Time delay closing time (adjustable): 16-350 seconds ±30% (default setting is 16 seconds ±30%)
9. Induction range: (if installed on the wall, the height from the ground is about 1. 5m)

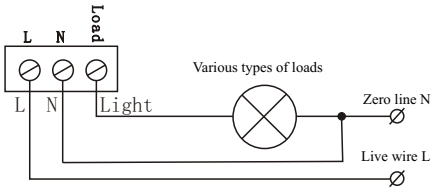


(Ceiling attached installation: the point-suction type is recommended, its induction is up to 360 degree, otherwise, it will be constrained by the installing height, the infrared signal of the leg part of human body is weak, the induction distance is also relative short, and therefore, the actual induction range will be smaller)

Wiring indication (wiring in accordance with the wiring diagram)



□ Unipolar switch wiring diagram



□ Bipolar switch wiring diagram

(Please conduct polarity wiring strictly, the wiring error will result in an immediate switch damage after power on.)