



YLI ELECTRONIC

# All in one tread inductive switch

Model: YAD-133BT



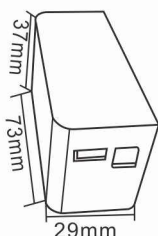
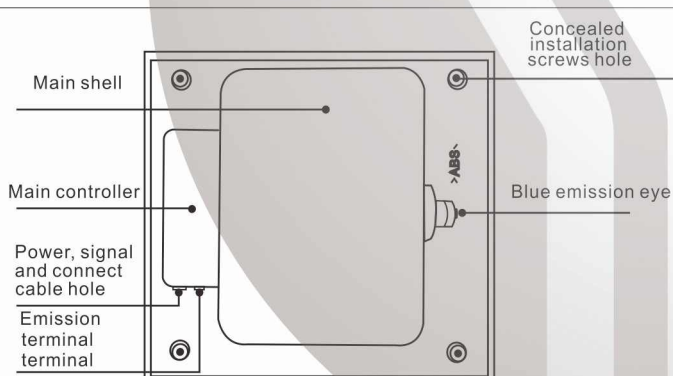
## 1 Safety instructions

**!** Thank you for choosing us. Please read this instruction before your installation

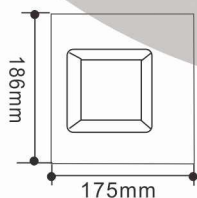
## 2 Character

- Controller and the tread box are together, It is simple to install;
- Micro PC control and Wire drawing stainless steel Shell
- Concealed installation screws, embedded precision emission eyes, stable and anti-disturbance
- Apply to the operation room, laboratory and other keep clean room
- Modulation and demodulation with Active infrared
- Scan model: when the foot cut the light, the door will open.

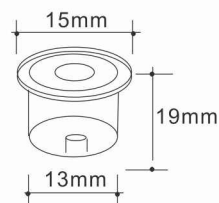
## 3 Dimension and Board



Control box



Main control Shell



Optical eye head

## 4 Parts:



Emission and receive heads



Four wires cable



Controller



Controller circuit diagram

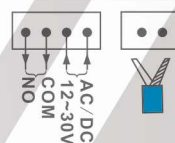


Back of main shell



Front of main shell

## 5 Input, output and other terminals connection



## 6 Physical connection sketch Map



Blue emission eye

Four wires cable: white and green are for power supply Yellow and brown are for signal

Black receiver slot

## 7 Technology data

- Technology: Active infrared modulation and demodulation microprocessor
- Recommended mounting height: The center is 0.3 meter away from the ground
- Detection Mode: Truncation of ray by foot operated to produce the open signal (12V input)
- Reaction time: Relay output<45ms
- Power supply: AC/DC 12—30V
- Standby current:8.2mA action Current:47mA Detection signal:4.55mA
- Signal indicator: Effective time of shoot each other, red light on. Green light twinkle when the ray is cut
- Temperature:-20°C--55°C
- Anti-disturbance: Sun light: 81000LUX
- Electric incandescent lamp: 36000LUX
- Electronic microwave: meet 89/336/CEE standard
- Dimension:19\*13mm(Emission light eye) 186\*175\*53mm(Main body)
- Signal output: Relay NC or NO are optional
- Open hole sizes are as below:

