

KC7789M

PIR Sensor Module

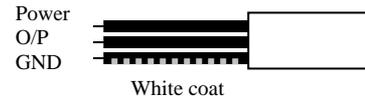


KC7789M is small size PIR sensor module with built-in amplifier and logic circuit. The heart of the module is high reliable PIR controller KC778B. The PIR sensor can be manufacturer specified. The detection angle and distance dependence on the lens used.

Features

- Ultra small size for unlimited application
- Built-in amplifier to provide TTL output signal
- High sensitivity with special noise cancellation design
- High immunity to RFI and line noise
- Signal will not output within 25 sec when power up
- Signal output is 0.5sec min
- Low operation current
- 3-wires cable of 70mm

Pin Connection



Standard Configuration

PIR Sensor : RE200B, dual element, from Nicera
 Fresnel Lens: the module comes without lens but for the short distance application, a cap lens will be supplied as an option.

Specification

Item	Condition	Symbol	Min	Typ	Max	Unit
Operation voltage		Vdd	4.7	5	12	V
Operation Current at 5V	Iout=0	Iop	450	550	1800	μA
Output	Current	No Load	Iout	3.5		mA
	Voltage		Vout	Same as Vdd		
Output pulse			Signal in +0.5sec			
Dimension	include sensor		Φ10x26			mm
Cable	3 wires		70			mm

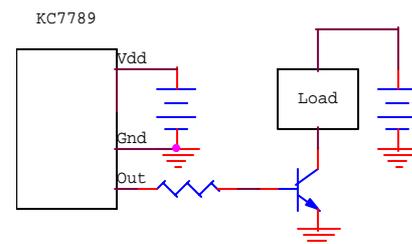
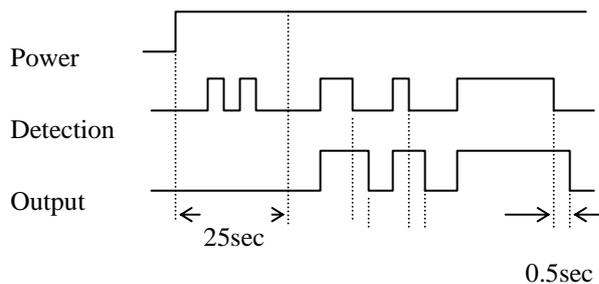
Absolute Maximum Ratings

Item	Value	Remark
Power supply	-0.5 - 15V	
Operation Temperature	-20°C to 40°C	No freezing and condensing
Storage Temperature	-40°C to 80°C	

Application

- Energy saving device
- Security and surveillance
- Advertisement

Timing Chart



Wiring Diagram