

EDCON-COMPONENTS



Description

Touch Sensor is acts according to the sensation the environment electric capacity cahnge output. The signal, it may or approaches the way trough the direct contact, or passed trough the indirect object to induce and changes from the human body accommodates the body electric capacity level change, outputs a comparison signal. The induction indirect object nearly may be any dielectric medium (insulator), like glasses, plastic, Wood, ceramics and so on. When the human body, the object contact or aproaches, the sensor outputs a low level, otherwise outputs the high level, outputs for the electronic switching signal.

USING;

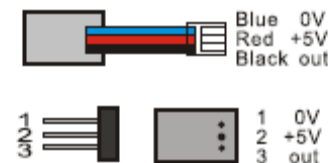
1. The switch function: domestic electric appliances switch,panel switch,lightly switch, touch switch, control panel, keyboard, and so on.
2. Fluid position sensor (outside function) water level, oil level, and so on.
3. Human body inductor: example induction close tool and so on.

Technical Informations

Supply Voltage:	2,5 ~ 5,5 VDC
Quiescent Current:	120µA (5V)
Power Dissipation:	Max. 200mW (5V)
Working Temperature:	. -20°C ~ +75°C

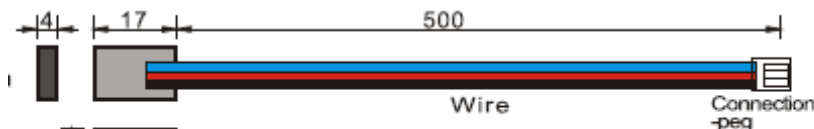
Wiring Diagramm

NOTE: When the inductive timely, pin 3 output the low level, otherwise output the high level.



Standard Dimension

The reverse side diagramm



The front side diagramm

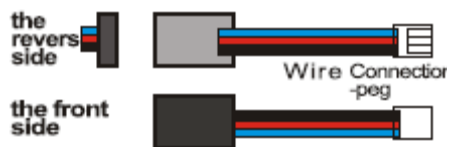


Touch Sensor

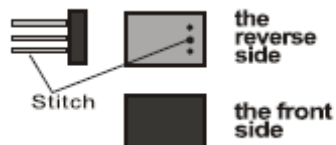
Part No.: **Q74001**

DRW:	Jason	CHKD	Wilson	MATL:	Wilson	TOLERANCE	Mason	DATE	18.02.2013	Customer:
APPD:	Schumi			FINISH	Jamy		Sheet No.	1 from 5		

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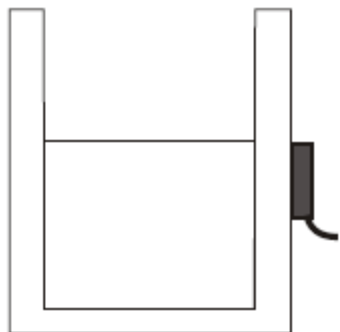


Order Code Type A

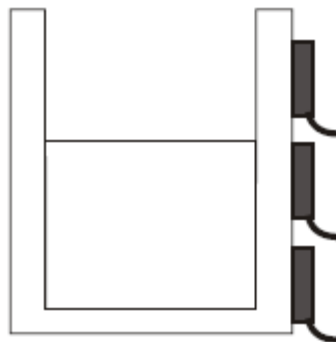


Order Code Type B

Liquid level sensor

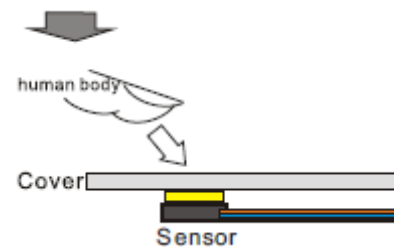
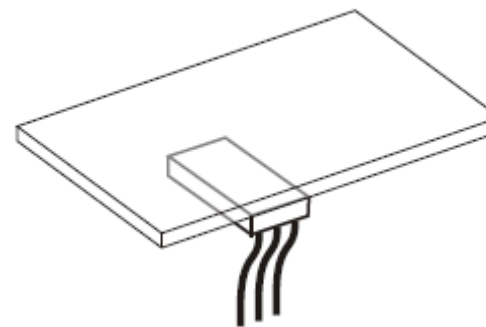


Detecting liquid



Detecting liquid level

Mounting after glasses, plastic



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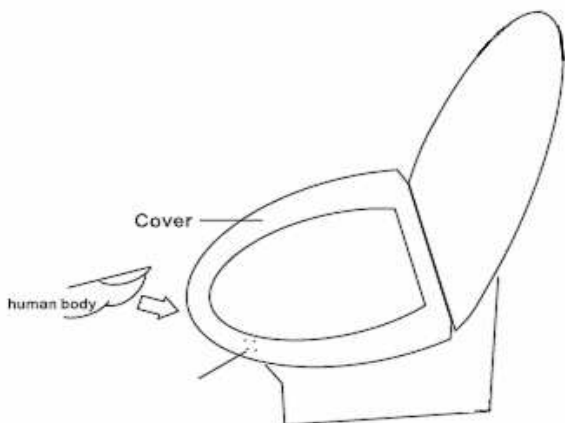
email: info@edcon-components.com

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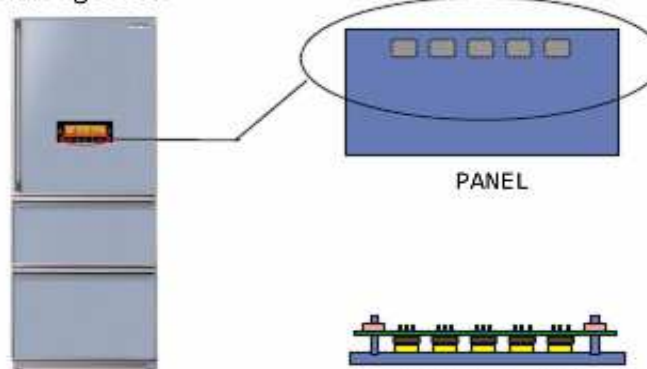
- A. Sensors must be hid in cover boards of toilets, sit up, when output a low lvel signals. Only when the body has no contact, the sensor restore high level.
- B: Installation method induction side of sensor, cling the cover inside the panel.
- C: The Material of the cover is ABS, and the thickness between 2 to 5mm.
- D: Different cover thickness, different material, different sensitivity in fact.
- E: The ffect of conductive metal bar: sensitive fine tuning.

Human Sanitary



Household Application

Refrigerator



PANEL



Construction

- Nut
- PCB
- Touch Sensor
- Conductive metal bar
- Touch marking
- Case



Inside Case Panel

Switch function TV appliance



Touch Sensor

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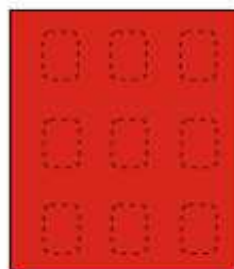
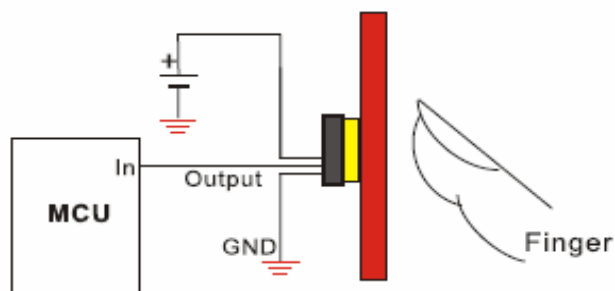
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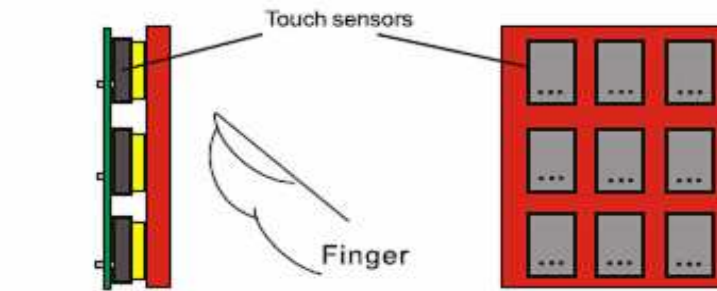
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Application Field

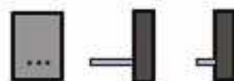


(Case panel)



(Installation plan Side elevation)

(Case inside panel)



Touch sensor Ck01 mode



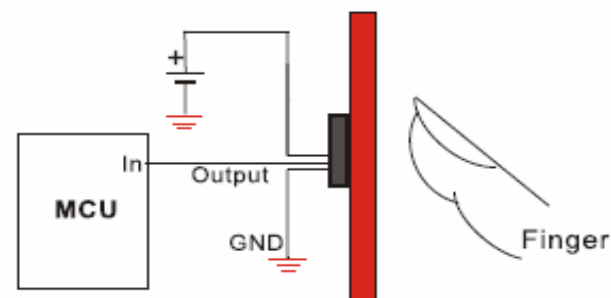
PCB



Conductive metal bar



Case (Non-conductive material)



Different panel thickness, different material, different sensitivity.
Conductive film role plays sensitivity fine-tuning of touch sensor.

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Ordering Informations

Serie	Type	Cable length	Connector	Special function	ROHS	Packing				
Q74001	B	501	A	X	R	BU				

A= PCB Type	501= 500mm Cable length	C= without connector Type A	X= no special function	R= ROHS Conform	BU= Bulk - Ware into Polybag
B= Cable Type	xxx= xxxmm Cable length	A= for standard connector		N= NON ROHS Conform	IV= Individual Packing
		B= for custom connector			

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