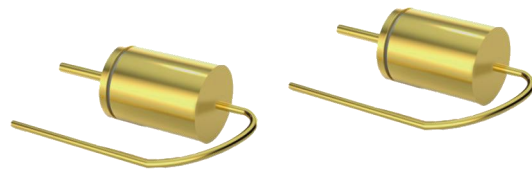


SENSOR SWITCH

Item No.	CSX-SEN-360A-30U	Description	TILT SWITCH	Version	7
Page	1 of 5		Date	Dec. 20, 2016	

● FUNCTIONS

30° Tilt Detecting within a 360° radius
Shock Detecting



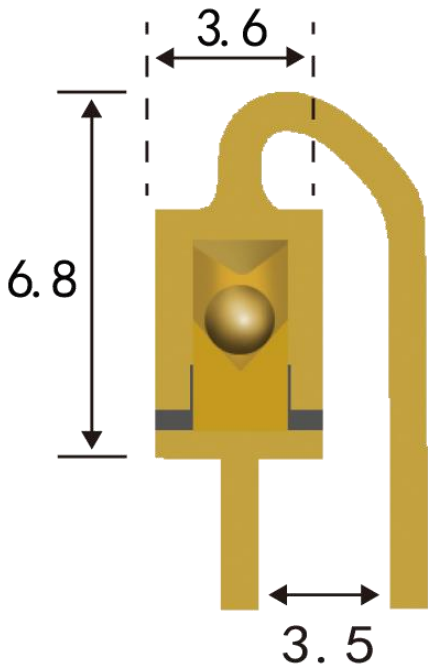
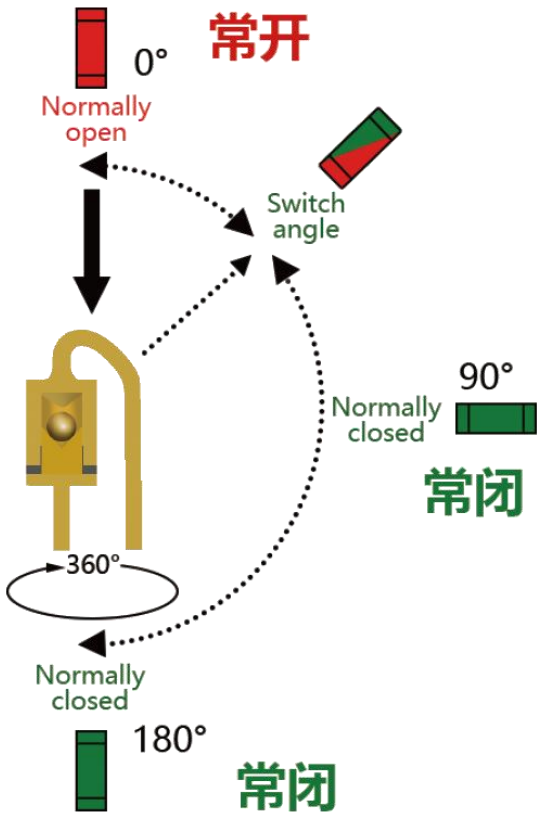
● APPLICATIONS

1. Automatically shut off for home appliances
2. Wake up systems for power saving, such like remote controllers
3. Automatically shut off for sporting equipment
4. Alarm system
5. Anti-theft / Anti-tamper devices
6. Toys
7. Garage door opener

SENSOR SWITCH

Item No.	CSX-SEN-360A-30U	Description	TILT SWITCH	Version	7
Page	2 of 5		Date	Dec. 20, 2016	

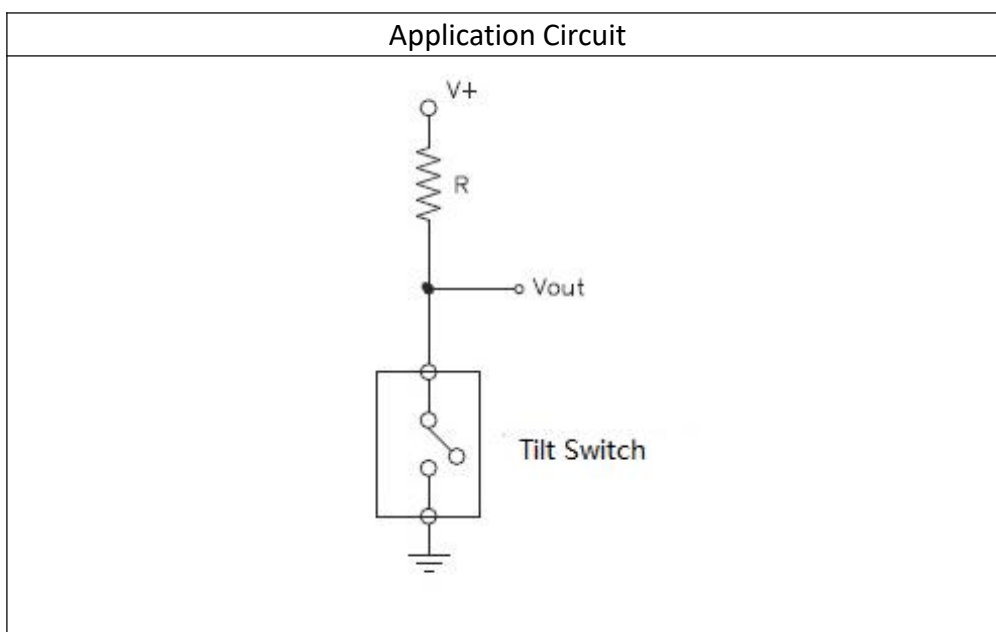
● DIMENSIONS / OPERATION

CSX-SEN-360A-30U	Tilt Angle $\theta = 30^\circ \pm 5^\circ$
	

SENSOR SWITCH

Item No.	CSX-SEN-360A-30U	Description	TILT SWITCH	Version	7
Page	3 of 5		Date	Dec. 20, 2016	

- Application Circuit



- Current / Voltage Suggested

Input Current (mA)	Operating Voltage (V)	Condition
<10	3~24	--

- ELECTRICAL CHARACTERISTICS

1	Insulation Resistance	1,000 M Ω min., 100V DC
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2	Dielectric Strength	500 V DC min. for 1 minute
3	Capacitance	5 pF Max.
4	Average Conductive Rate	98% min.

SENSOR SWITCH

Item No.	CSX-SEN-360A-30U	Description	TILT SWITCH	Version	7
Page	4 of 5		Date	Dec. 20, 2016	

● RELIABLE TEST ITEMS

Test Item	Contents
IR Reflow	Peak temp. = 260℃ *2 times
Operating Temperature	-25 ℃ ~85 ℃
Storage Temperature	-40 ℃ ~85 ℃
Humidity	40 ℃ / 95% RH
Mechanical Life	2 Hz, horizontal 50,000,000 times
Electrical Life	50,000,000 times

● SOLDERING CONDITION

Following soldering conditions are for reference only, please use soldering information that solder paste manufacturer recommends.

Condition Operation Method	Soldering Temperature	Soldering Time	Wattage of Manual Soldering	Suitable Production Process
IR Reflow	260±5℃	< 5 seconds max.	--	SMT
Manual Soldering	320±5℃	< 3 seconds max.	20 W or Temperature-controlled manual soldering	DIP、SMT

● PACKAGE

Part Number	Package	Quantity
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www.csxkg.com

6th Floor, Building B, No. 10, East District,
Shangxue Technology Park, Bantian Street,
Shenzhen, 518129, China

Tel: 86-755-84715346

Fax: 86-755-84715242

E-mail: sales2@csxkg.com

CSX-SEN-360A-30U	PE Bag	1,000 pcs
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SENSOR SWITCH

Item No.	CSX-SEN-360A-30U	Description	TILT SWITCH	Version	7
Page	5 of 5		Date	Dec. 20, 2016	

● FEATURES

1. Suitable for horizontal PCB.
2. Switch state: Normal open.
3. Tiny size, suitable for small space.
4. Gold-plated ball and terminals, low possibility of oxidization.
5. Simple ON and OFF signals, easy for design.
6. RoHS compliance, an ideal substitute for mercury switch.
7. A more economical tilt detection option than IC design solution.
8. All made in China and examined before shipment.

● NOTE

1. Suggestion for usage : For vibration usage or application, we suggest to add hysteresis for IC.
2. For the continued product improvement as one of the company policy, specifications may change or update without notice. The latest information can be obtained through our sales offices. Normally, all products are supplied under our standard conditions.

● PRECAUTIONS FOR USE

1. If the product is intended to be used for other endurance equipment requiring higher safety and reliability such as life support system, space and aviation devices, disaster and safety system, it's necessary to make verification of conformity or contact us for the details before using.
2. Do not try to clean the switch with a solvent or similar substance after the soldering process.
3. Use water-soluble flux may damage the switch.
4. If soldering temperature exceeds our specification, sensor switch could get apart.
5. Do not use switch in the environment of high humidity, because such an environment may cause the leakage current between the terminals.
6. More than the rated load may cause fire, so do not use more than the load.