

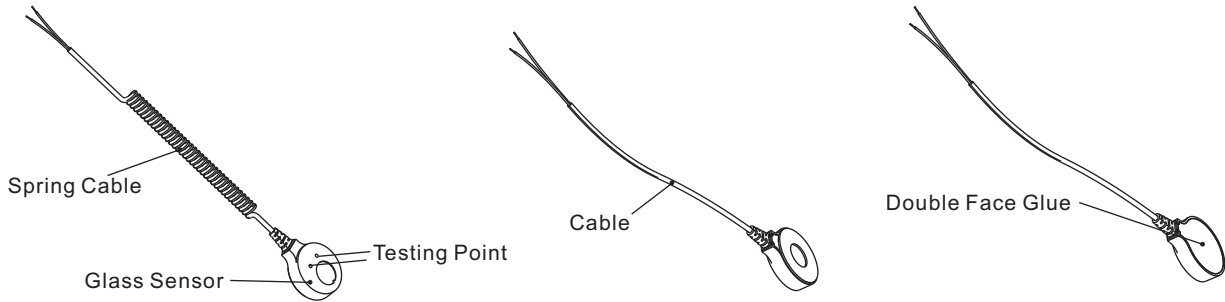
Thank you for selecting the GLASS SENSOR of SENGATE Brand.  
Please read the Instruction Manual carefully before using it.

Manual Instruction

### Características

- ⊙ No se requiere suministro de energía.
- ⊙ Detecta con precisión y eficacia el golpe de vidrio. No se emitirá ninguna señal de falsa alarma generada a partir de señales de interrupción.
- ⊙ Alto rendimiento. Alta calidad.

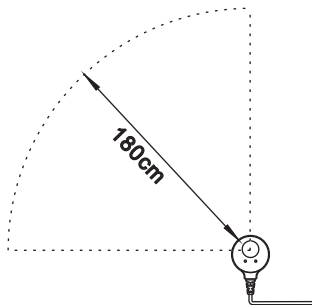
## 1. DESCRIPCION PART



## 2. CAUTIONS ON INSTALLATION

### DETECTABLE RANGE

Alarm range within radius of 180cm



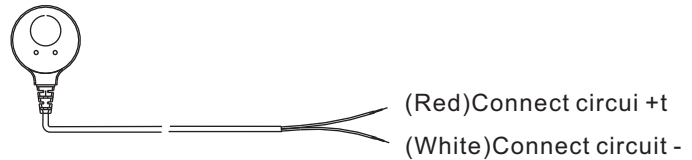
Notice:

- (1) This product is designed for the of indoor installation. Outdoor setting is prohibited.
- (2) The Sensor can adhere to those of glass material only.  
For example , glass windows, glass door, or glass cabinet.
- (3) Sensor must adhere tightly within the detectable area.  
Then its high performance of delectability could be well functioned.
- (4) The "alarm output" provided by the detector is of semiconductor style switch. Please notice if the "circuit current" and "circuit voltage" are too high, so as to avoid damage to the detector.

## 3. WIRING

### WIRE CONFIGURATION

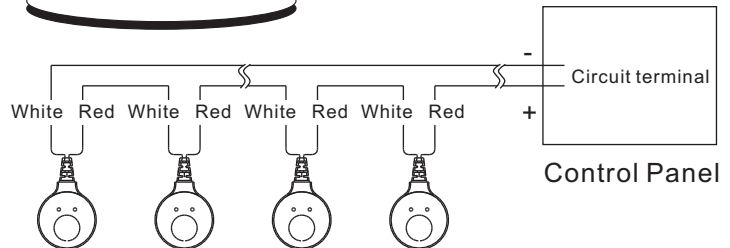
GS-380C,GS-380S



Notice:

- (1) Wiring of the detector has distinct polar.
- (2) Each detector has inner resistance value of 13 ohm (including wiring of the detector).
- (3) This sensor is semiconductor style switch."circuit current" and "circuit voltage" should limited. Max loading is DC24V 40mA (it could connect with control panel circuit directly).

### EXAMPLE CONNECTION

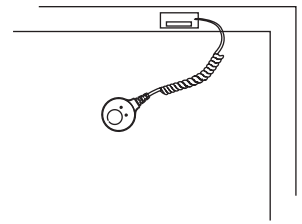


Notice:

- (1) As to how many detectors can be installed, the problem of matching of resistance brought among the detector, total circuit resistance and terminal resistance of the receiving unit should be taken into consideration.
- (2) No extra power supply to the detector is needed.

## 4. PROCEDIMIENTO DE INSTALACIÓN

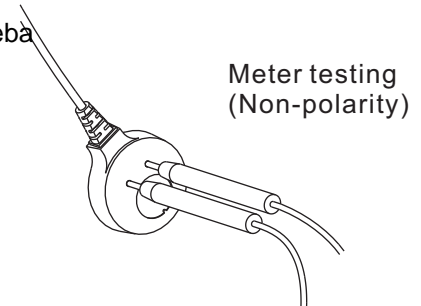
- Paso 1. Quite el polvo y limpie el lugar donde se instalará el sensor.  
 Paso 2: arranca el papel y se adhiere al pegamento de doble cara.  
 Paso 3. Determine la disposición del cable, ajuste la dirección del sensor, luego adhiérase suave y firmemente el sensor detectado al vidrio



- Paso 4. Conecte el cableado del lazo de acuerdo con la descripción de "3. Cableado"

## 5. FUNCTION TEST

- Paso 1. Coloque el medidor eléctrico en la banda de 200K ohmios.  
 Paso 2. Conecte la clavija de prueba del medidor eléctrico al orificio de prueba (without polar). At the same time the reading of the electric meter is about 100K ohm.  
 Paso 3 Luego, simule la acción del vidrio roto time, the reading of the electric meter should be indefinitely great. The after seconds of time, the reading of the electric meter will return to 100K ohm.  
 Step 4. Set the receiving unit, then knock the surface of glass in the detected area, then alarm must be triggered.



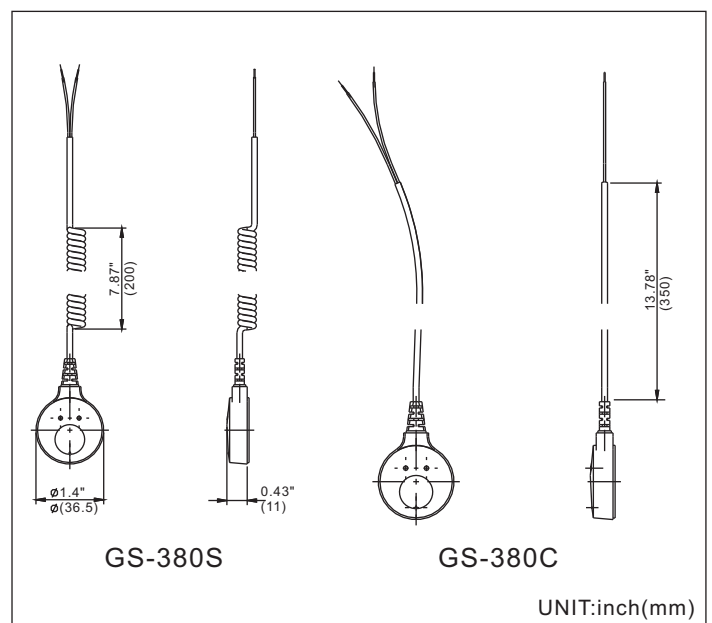
## 6. TROUBLE SHOOTING

Troubles	Possible Causes	Resolution
Cannot trigger the receiving unit	1. Poor circuit connection, short, or the circuit is destroyed. 2. Beyond the detectable area. 3. Knocking force is too small.	1. Check the circuit. 2. Readjust the sensor to the suitable position. 3. Try to strengthen the force, and knock in the detectable area.
Poor sensitivity	1. Poor circuit connection. 2. Detector did not completely and tightly adhere to glass. 3. Beyond the detectable area.	1. Check the circuit. 2. Press and tightly adhere again, or replace the sensor glue. 3. Readjust the sensor to the suitable position.

## 7. SPECIFICATION

Model	GS-380C	GS-380S
Detectable Range	Radius of 180cm	
Loop Voltage	DC24V ( max )	
Loop Current	40mA ( max )	
Detection Method	Piezoelectric	
Alarm Period	0.50 sec.~ 6 sec. ( 0.3 sec. min )	
Alarm Output	Semiconductor style switch, polarity, DC24V/40mA. Resistance exceeds 20M ohm when abnormal. Resistance at 13 ohm ( max ) when normal.	
Operation Temperature	-20°C~+55°C	
Environment Humidity	95% ( max )	
Wiring / Terminal	Straight style	Curling style
Mounting Positions	Indoor, Surface of glass materials	
Weight	0.46 oz ( 13g )	0.92 oz ( 26 g )
Dimension (mm)	Ø1.4" * 0.43" ( Ø36.5 * 11 )	

## 8. EXTERNAL DIMENSIONS



No:A009B01-00

### Note:

- Disassembly of the sensor is prohibited. If disassembled, it will destroy the performance and may result in the permanent damage.
- Sensor should avoid external factors that lead to serious distortion or transfigure.

ventas@rosarioseguridad.com.ar

+54 9 341 6708000

rosarioseguridadok

Rosario Seguridad

<https://www.facebook.com/groups/591852618012744/>

+54 9 341 6591429



Avenida Presidente Perón 3998 - Rosario - Santa Fe - Argentina