

Because of their micro-miniature size, low consumption of power, and **extreme reliability and traceability**

HSI reed switches and sensors have been operating in critical, high-tech medical equipment for decades. We manufacture the highest quality switches in the industry — including the world's most magnetically sensitive reed switch — to operate consistently and reliably in equipment that saves and extends lives.

## SUITABLE APPLICATIONS

- implantable pacemaker
- feeding tube
- nerve stimulator
- astronaut & athletic body temperature pill
- laser scalpel
- defibrillator
- Magnetic Resonance Imaging (MRI)
- cardiac contractibility modulation unit
- external cardiac diagnostic monitoring
- hearing aids

## FEATURES

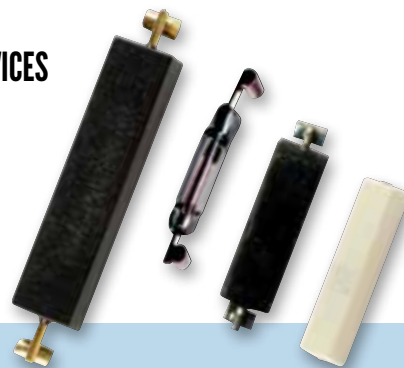
- not ESD sensitive
- pick-and-place capable
- no physical contact required to operate
- no electrical power required to operate
- hermetically sealed tungsten contacts engineered for extended life in extreme environments
- consistent, reliable operation rated for millions of cycles
- custom overmolding, housings, surface mount bars and tabs available
- RoHS compliant
- fully traceable

## PRODUCTS

From micro-miniature to extreme high-voltage, our comprehensive line of reed switches can meet almost any medical technology need. Any switch can be customized and housed a variety of ways to suit your application.

### ASSEMBLY-READY SERVICES

- overmolding
- custom housings
- surface mount bars and tabs
- tape and reel



## IMPLANTABLE

REED SWITCHES	Contact Form	Pull-In Range (Ampere Turns)	Capsule Volume (CC–Nominal)	Power (W)	Switching Voltage (VDC)
HSR-0025R	A SPST	4–15	0.0037	0.5	30
HSR-0035R	A SPST	5–20	0.0074	1.0	30
HSR-004R	A SPST	5–20	0.009	1.0	30
PROXIMITY SENSORS	Contact Form	Must Operate–Release (mT)	Capsule Volume (CC–Nominal)	Power (W)	Switching Voltage (VDC)
PRX+2100	A SPST	2.8–0.50	0.028	1.0	30
PRX+2452	A SPST	2.50–0.50	0.007	0.25	30
PRX+2462	A SPST	3.75–1.50	0.007	0.25	30

## HIGH VOLTAGE

REED SWITCHES	Contact Form	Operate Time (mSec)	Power (W)	Switching Voltage (VDC)	Breakdown Voltage (VDC)
HSR-910W	A SPST	3.20	50	5,000, 7,500, or 10,000	7,000, 10,000, or 15,000
HSR-980F	A SPST	3.00	25	500	5,000



3100 Norge Road  
Chickasha, OK 73018

Phone 405.224.4046  
Fax 405.224.9423

info@hsisensing.com  
www.hsisensing.com



HSI Sensing is ISO9001  
and AS9100 Certified