

Klixon® KX Series Sine Switch

- Hermetic seal provides exceptional operational freedom from environmental conditions
- Compactly designed to fit small, narrow spaces
- Snap-acting Klixon sine switch provides exceptional resistance to shock and vibration
- Available with either screw or solder lug type terminals
- Embedded leads are available
- Lead lengths can be supplied to customer requirements

The Klixon KX Series hermetically sealed sine switch is a precision snap-acting device. It is designed for use in the aerospace industry and for other applications where operational freedom from environmental conditions is a requirement. ([Performance chart.](#))

KX series switches are sealed within a one-piece steel case engineered to withstand extremely low or high ambient pressures. True hermetic sealing is achieved with a metal "wave type" diaphragm at the actuating lever. The actuating arm is keyed to hold the arm in alignment and to prevent damage to the diaphragm.

The switching element is the versatile Klixon sine switch. This simple, one-piece element eliminates knife edges and high friction joints. Rigidly supported at both ends and accurately prestressed in tension, the sine switch features outstanding resistance to shock and vibration.

Applications

Klixon KX series switches have been used in a variety of aircraft, weapons systems, aircraft engine and aerospace applications for well over 30 years. A brief listing of typical applications for the KX include:

- Door interlock systems
- Aircraft engine ignitions
- Aircraft missile launcher position indication
- External stores emergency jettison switches
- Stowed / deployed indication for thrust reversers
- Safety ignition indication for military jet engines
- Radar pod door switches
- Tank/armored personnel carrier missile launcher switches
- Tank gun turret position indication



Part Numbers

KX5-a-b, KX4-a-b

Where **KX5** or **KX4** is the type of seal:

Device	Hermetic Seal
KX5	Class 5 (fusion sealed)
KX4	Class 4 (epoxy sealed)

and **a** is the ambient temperature range:

Device	a
KX5	1 = Maximum temperature of 275°F 2 = Maximum temperature of 375°F
KX4	1 = Maximum temperature of 160°F 2 = Maximum temperature of 160°F

and **b** is the type of terminal:

Device	b
1	Solder lug terminal
2	Screw terminal