

Glossary of Terms

Dry-Reed Switch:

A dry-reed switch is an assembly containing ferromagnetic contact blades, hermetically sealed in a glass envelope and operated by an externally-generated magnetic field, e.g., that from an actuating coil.

Operate Value:

The ampere turn value at which normally-open contacts close. Lower value reflects higher sensitivity (see Fig. 2).

Operate Time:

The operate time is the time between the instant of application of a magnetic field to a dry-reed switch and the instant of the first physical closing of this switch. The operate time does not include bounce time.

Release Value:

The ampere turn value at which normally-open contacts, held closed by a magnetic field, will reopen as field strength is reduced (see Fig. 2).

Release Time:

The release time is the time between the instant of removal of an applied magnetic field to a dry-reed switch and the instant of the first physical opening of this switch. The release time does not include bounce time.

Bounce:

Bounce is a momentary opening of a switch after initial closing, or a momentary closing after initial opening.

Bounce Time:

The bounce time is the interval of time between the instant of initial closing (or opening) and the instant of final closing (or opening) of the dry-reed switch.

Dry-Reed Switch Contact Resistance:

The dry-reed switch contact resistance is the resistance of the dry-reed switch under specified conditions of measurement.

Saturate Value:

The saturate value is the arbitrary defined value of the applied magnetic field at which the dry-reed switch is unaffected by further increase of the applied magnetic field (see Fig. 2).

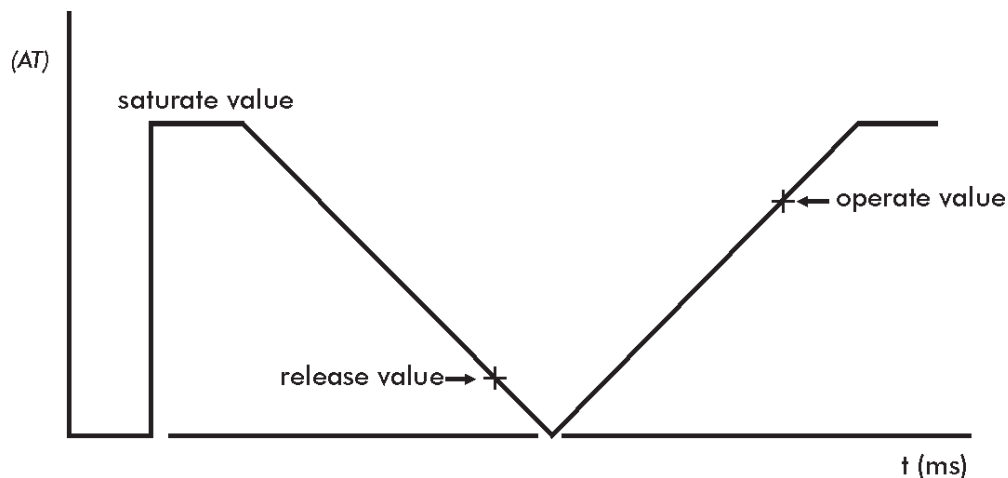


Fig. 2: Graphical representation of parameters