



RAJSHI
ENGINEERS

SOLENOID INTERLOCK DEVICE



SOLENOID INTERLOCK DEVICE :

Application :

Interlocking device are unique combination of lock and key to ensure definite sequence of operation of one or more industrial and substation equipment as per customer requirement. It is also known as CASTLE LOCK & KEY. Each job is engineered by our experienced team to give a unique lock and key combination.

Working :

- Key exchange box ensures that once certain Control Keys are trapped, then only the other desired keys are released in a sequence. The trapped keys can only be released when the earlier released keys are placed back to their respective positions in reverse sequence and trapped.
- Door Lock type Interlocking device is commonly used in Dry/ Cast Resin Transformers and substations. It is important to note that the Control Key can only be removed from initial box if the solenoid is deenergized. Released Control Key is trapped in Key Exchange Box , to release the trapped Door Lock Keys. These are then used to open Door Bolt Lock. Where they remain trapped till the door are open. These can only be released once the bolt lock returns back to the lock position. Now these door keys are trapped back in Key Exchange Box after which the Control Key is removed. The NO- NC Contact ensures that Control Key will be trapped only when the solenoid is energized.
- The operation of standard locking and unlocking can be executed depending upon the design with rotation of clockwise and anticlockwise in different degrees like $90^\circ, 65^\circ, 45^\circ$ etc.

Models:

- Outside Control Key can be locked with several side lock key
- Different models having solenoid with NO or NC contact can be made.
- Combination having different series of operations can be made.

FEATURES :

- Assures series and sequences of appropriate operations.
- Unique lock and key combinations make it full proof.
- Robust construction for long life.
- Designed ergonomically for easy and smooth operation.
- Visible lock/unlock condition.
- Excellent finish.
- This unique castle lock and key arrangement makes it an important safety device for use in transformer, switchgears and substations.
- For any of the models the equipment cannot be utilized even if any one of the keys is missing.
- We provide master key if asked by the supplier along with the supply in spare

