

ABSTRACT

Loss of lives in field of electricity due to non-proper operation has been a major issue in the field of power over a long period. It has also led to major power problems in an area level as well as in our national level grid. Hence to prevent these losses due to improper and inexperienced personnel, The project intend to aid in an semi-automatic system will be done! which can be only accessed by the line men. Also through the device, Automatic low voltage cutoff, Short circuit cutoff, Fuse indication can be indicated to the worker without assuming the faults that the worker thinks arised.

The operating personnel is also provided with an security that only he/she opens the isolator then that same person can only close the isolator. There is also possible of manual operation in case of critical conditions and it is achieved by overriding the servo motor operation. A manual lock/key mechanism is used in the operation of overriding the servo motor. In rural areas, this system will be useful for the workers working in the power lines as only they can access the Isolator rather than the unauthorized people.

From this project, an semi-automated system which could prevent the loss during the fault conditions.