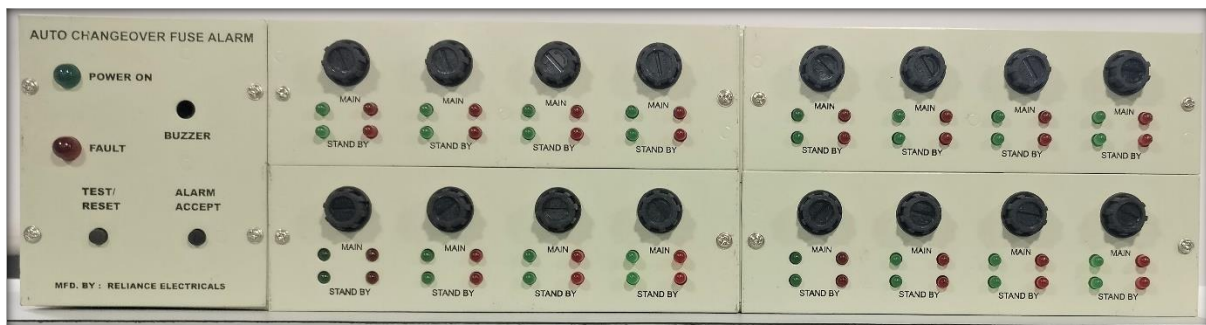


16-FUSE AUTO CHANGEOVER SYSTEM (FACS)



Scope:

Fuse Auto Changeover System is intended to monitor the intactness of fuses that are used in the signalling circuits in cabins. Whenever any fuse blows, the circuit automatically changes over to a spare fuse provided in the system. The change-over to spare fuse is instantaneous & there is no break in the signalling system. Hence, it prevents failure caused due to a blown fuse. It also gives an audio-visual alarm for the blown fuse.

Features:

- 19" Rack mounting with less than 4U height (Additional brackets are supplied for Relay Rack mounting)
- System is designed to monitor 16 fuses of 0.6A to 4A of any voltage (12V, 24V, 60V, 110V AC/DC) of G type or any other type
- Continuously monitors the status of both Main & Spare fuses
- Automatic Changeover to a Spare fuse on failure of the Main Fuse in less than 20 mS
- Modular design
- System Operates with N+2 wires
- Current drain from the main system is very low
- Provides Audio/Visual alarm on failure of any fuse
- Push Button to test whether all indications are working
- The audio alarm is resettable by push button
- Operating Voltage: 110V AC (Optionally 60V, 24V DC)
- System comprises of 4 cards for monitoring 4 fuses each & one power card
- Fuses conform to IEC-127 Standards

Reliance Electricals

Components:

Front Panel Components on Power Card:

- Power ON indication
- Input Power fuse
- Test push button
- Buzzer Reset push button
- Common Fuse Fail indication (Flashing)

Front Panel Components on Each Sensing Module:

- 4 Spare fuses
- Reset Push Button
- Red & Green LEDs for indicating status of Main & Spare fuses

All terminations are provided on rear side.

Accessories:

Optional Accessories for Remote indications –

1. Common Remote Alarm Unit that can be used to extend the Audio/Visual alarm to a remote & convenient place
2. GSM Based SMS unit that can send messages to 5 pre-defined numbers when a fuse is blown or restored to the circuit

Details to Be Specified By The Customer:

1. Voltage rating of fuses
2. Current rating of fuses
3. Operating voltage of the system