

## FUSE AUTO CHANGEOVER SYSTEM (FACS) as per RDSO/SPN/209/2012

RDSO Approved FUSE AUTO CHANGEOVER SYSTEM

TYPE I: 32 Fuse System – 0.6A to 4A



### 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.

# Reliance Electricals

## Features:

- 19" Rack mounting with less than 4U height (Additional brackets are supplied for Relay Rack mounting)
- System is designed to monitor 32 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 8 cards for monitoring 4 fuses each & one power card
- Fuses conform to IEC-127 Standards

All terminations are provided on rear side.

## Reliance Electricals

## 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
4. Quantity requirement of CAVU

## RDSO Approved FUSE AUTO CHANGEOVER SYSTEM

### TYPE II: 24 Fuse System – 4A to 10A



#### 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.

# Reliance Electricals

## Features:

- 19" Rack mounting with less than 4U height (Additional brackets are supplied for Relay Rack mounting)
- System is designed to monitor 24 fuses of 4A to 10A 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
- 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 6 cards for monitoring 4 fuses each & one power card
- Fuses conform to IEC-127 Standards

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
4. Quantity requirement of CAVU