

**दक्षिण मध्य रेलवे**

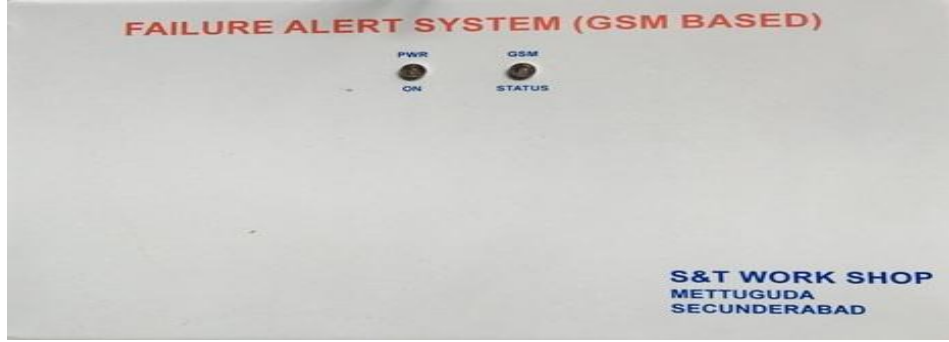
**SOUTH CENTRAL RAILWAY**

**सिगनल व दूर संचार कारखाना, मेट्टुगुडा.**

**SIGNAL AND TELECOM WORKSHOP, METTUGUDA.  
Secunderabad, Telangana.**

**(ISO 9001:2015 certified unit & Approved by RDSO/LKO)**

**Failure Alert System (GSM Based)**



**Designed & Developed by:**

**Signal & Telecom Workshop  
Mettuguda, Secunderabad.**

**Contact:**

**Chief Workshop Manager : 9701370812**

**Production Engineer : 9701370824**

**Asst. Works Manager : 9701370839**

**Monitoring features:** All the analogue Voltages of Ac & DC

1. AC Voltage's – 230 Volts, 110 Volts.
2. DC Voltages – Anything in between 3 to 32 volts.
3. Potential free contacts.

**Protection:** Opto coupler protection.

Input Power: **230 Volts AC**

Back up: 12 Volt/7Ah Rechargeable battery backup in case of power failure to the Failure Alert system.

**PERFORMANCE:**

**AC monitoring**

Connect the Ac 230 or 110 volts to terminal's between 1 & 2 , where Ac sensing is provided on the Failure Alert system for which monitoring is required.

All connections shall be done by considering 1&2, 3&4 and so on, as a pair

\*Any A.C voltage in between 90 Volts to 260 Volts can be monitored.

**DC monitoring**

Connect the DC Voltage to terminals between 1&2, where DC sensing is provided on the Failure Alert system for which monitoring is required.

\*Any D.C voltage in between 3 Volts to 32 Volts can be monitored.

**Potential Free contact**

Connect the PFC contact of TFBC/SMR(IPS)/DC- DC Converter(IPS), charger's/OFC equipment or any PFC to terminals between 1&2, where PFC sensing is provided on the Failure Alert system for which monitoring is required.

Whenever there is an interruption in the condition of the equipment being monitored for example the data like **230 Volts Fail** will be sent via SMS along with **Time and Date stamp** and the same will be messaged when rectified/ restored **230 Volts Ok** SMS will be alerted to 06 Mobile numbers, as per the preference of the consignee.

**Purpose: Early information for restoring to avoid failure, especially @IB Location, LC Gates and End cabin Huts.**

**\*Events storing capacity: 300 SMS, then on first in first out. This can be connected to PC and viewed in Excel sheet.**

**Note: All the contacts can be configured to DC sensing/AC sensing or digital(PFC) as per Consignee's requirement.**

**\*Price: Rs.12915/-**