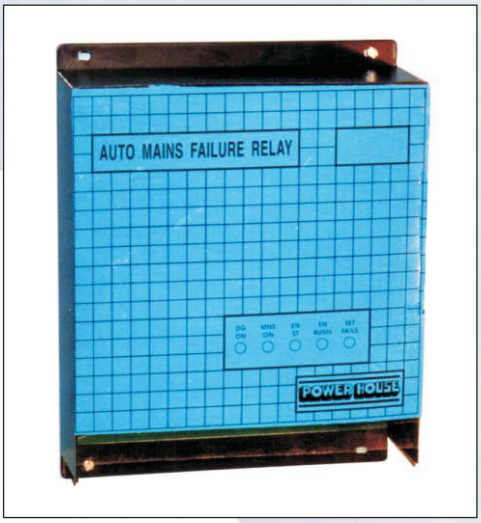
AMF Control Relay

Function:

Power House AMF relay: is a solid state, compact electronics device developed to make AMF panel reliable, simple, and easy to operate. It has built in Mains voltage Sensor, incoming delay timer, starting attempt timer with ON delay and OFF delay, 3 Attempt and lock, DG voltage sensors, counters, logic control etc. Incoming High Voltage supplies are isolated by opto-couplers and out put connections are through electrotechnical relays. The relay does not require any separate power supply. It works on DG set starting battery.



Application:

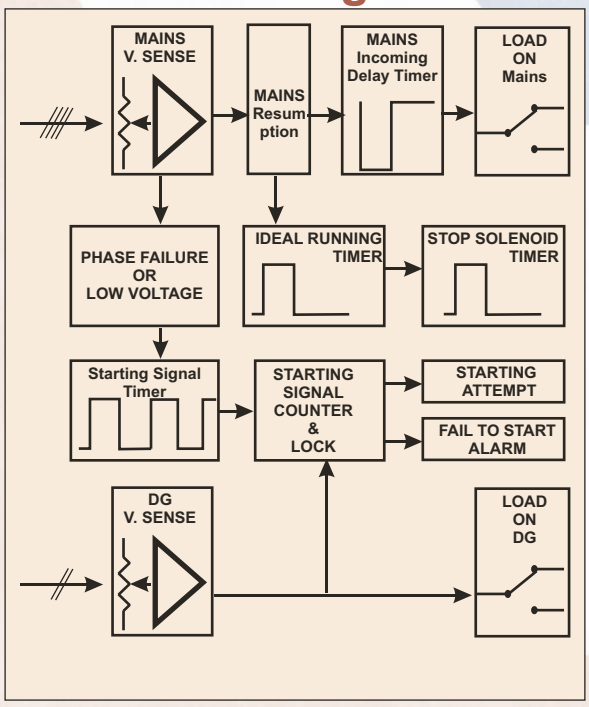
Automation of DG sets.

Specifications:

Aux Supply	:12/24 V DC from DG starting battery
Sensing	
Mains	: 3 Phase 4 wire.
	A) Under Voltage 170 -200 V. (Adjustable)
	B) Single Phasing
DG	: 1 Ph. 2 Wire.
	A) Starting signal withdrawal at 75 V. (Fixed)
	B) Load Transfer 190 -210 (Adjustable)
Mains Incoming Delay	
	: 30 - 60 Sec. (Adjustable)
Starting Signal	A) On time 3-6 Sec (Adjustable)
	B) Off time 3-6 Sec. (Adjustable)
	C) 3 attempt and Lock
Ideal running	: 30-60 Sec. (Adjustable)
Stop Solenoid Timer	
	: 30-60 Sec. (Adjustable)
Interlocking	: Logically interlocked
Isolation	A) Optical isolation for Mains Voltage
	B) Optical isolation for DG Voltage
	C) Electro-mechnical Relays for out put
Contact Ratings	: 5 Amps
Terminals	: PCB Mounted for 2.5 Sq mm wire.
Indications	: A) Mains incoming voltage (each phase)
	B) Starting attempt ON time
	C) Set fail to start
	D) DG set low voltage
	E) Load ON DG
	F) Load ON Mains
	G) Stop Solenoid Timer ON
Enclosure	: Heavy duty Sheet Steel enclosure finished with Powder coated.
Mounting	: Panel (245 x 190 mm)

Saves Panel Space-
Reduces fabrication cost.
Dedicated system
Reduces internal wiring
Enhances system Reliability

Block Diagram:



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