

DRESSER-RAND-POWER

DR61G(000)-1-2

CHAPTER 9

SIGNALLING PANEL

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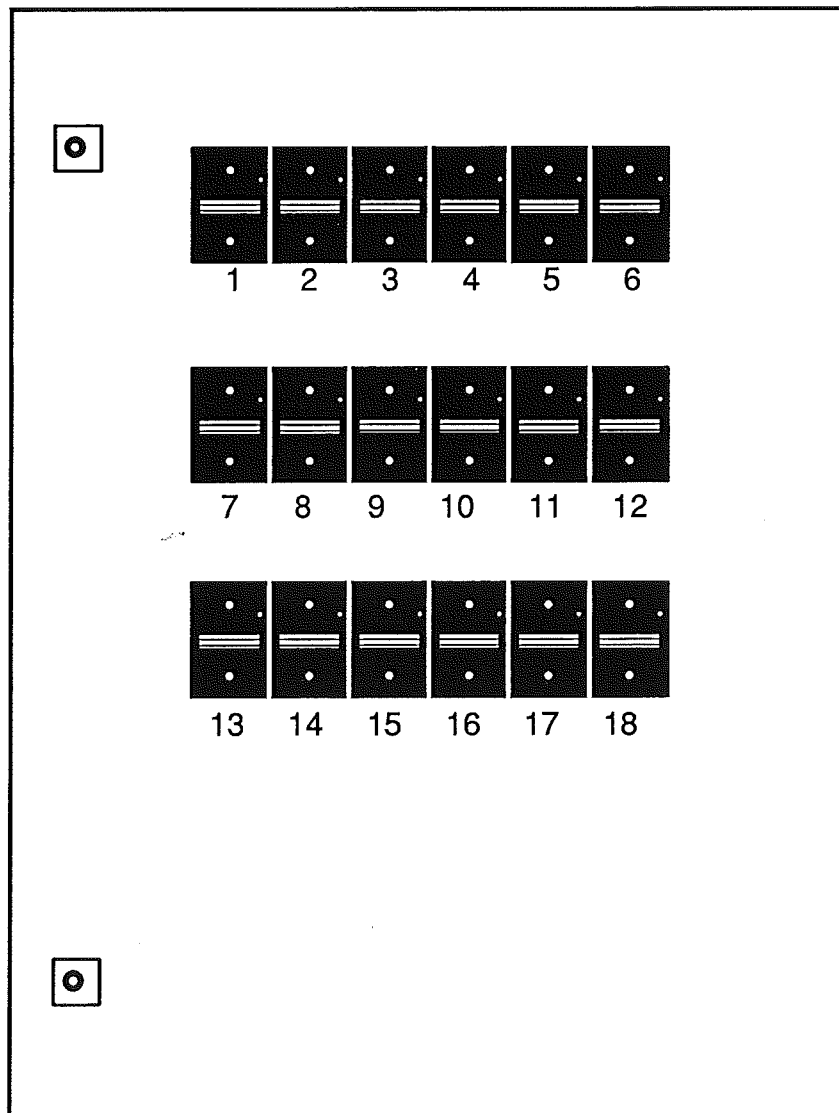


Figure 9.1 - Signalling Panel

DRESSER-RAND-POWER

1 GENERAL

The Signalling Panel contains the signalling relays to indicate the status in various circuits.

There are a total of 18 Flag Relays on this panel arranged in three rows of six. All the Flag Relays are of an identical type.

2 FLAG RELAYS

The indicator flag viewed through the front face of the signalling relay will change colour to indicate the current status in that circuit. The colour indications for the Flag Relays are as follows:-

Black The operating status for that circuit is normal.

Red An alarm has been generated in that circuit.

White The alarm has been acknowledged.

On the front face of each Flag Relay is a RESET Push-button switch. This push-button enables a manual reset of the Flag Relay once the cause of the alarm has been rectified.

The Flag Relays are utilized as follows:-

GENERATOR CONTROL PANEL SUPPLY FAULT (1)

GENERATOR PROTECTION PANEL SUPPLY FAULT (2)

MOTOR CONTROL CENTRE 110 Vdc FAULT LEFT SIDE (3)

30 kV SWITCH NOT STANDBY (4)

OVERCURRENT FAILURE (5)

SYNCHRONISATION FAULT (6)

BATTERY CHARGER I FAULT (7)

BATTERY CHARGER II FAULT (8)

UNDERVOLTAGE 24 Vdc SUPPLY (9)

SWITCHBOARD HEAT TRACING EARTH FAULT (10)

MOTOR CONTROL CENTRE 110 Vdc FAULT RIGHT SIDE (11)

MOTOR CONTROL CENTRE 110 Vdc FAULT (12)

380/220 Vac OR 110 Vdc FAULT (13)

MOTOR SWITCHES OFF (14)

OIL LEVEL 4m3 (15)

HEAT TRACING FAULT (18)

Flag Relays 16 and 17 are not utilized at the time of installation.