

DRESSER-RAND-POWER

DR61G(000)-1-2

CHAPTER 14

24V DC DISTRIBUTION

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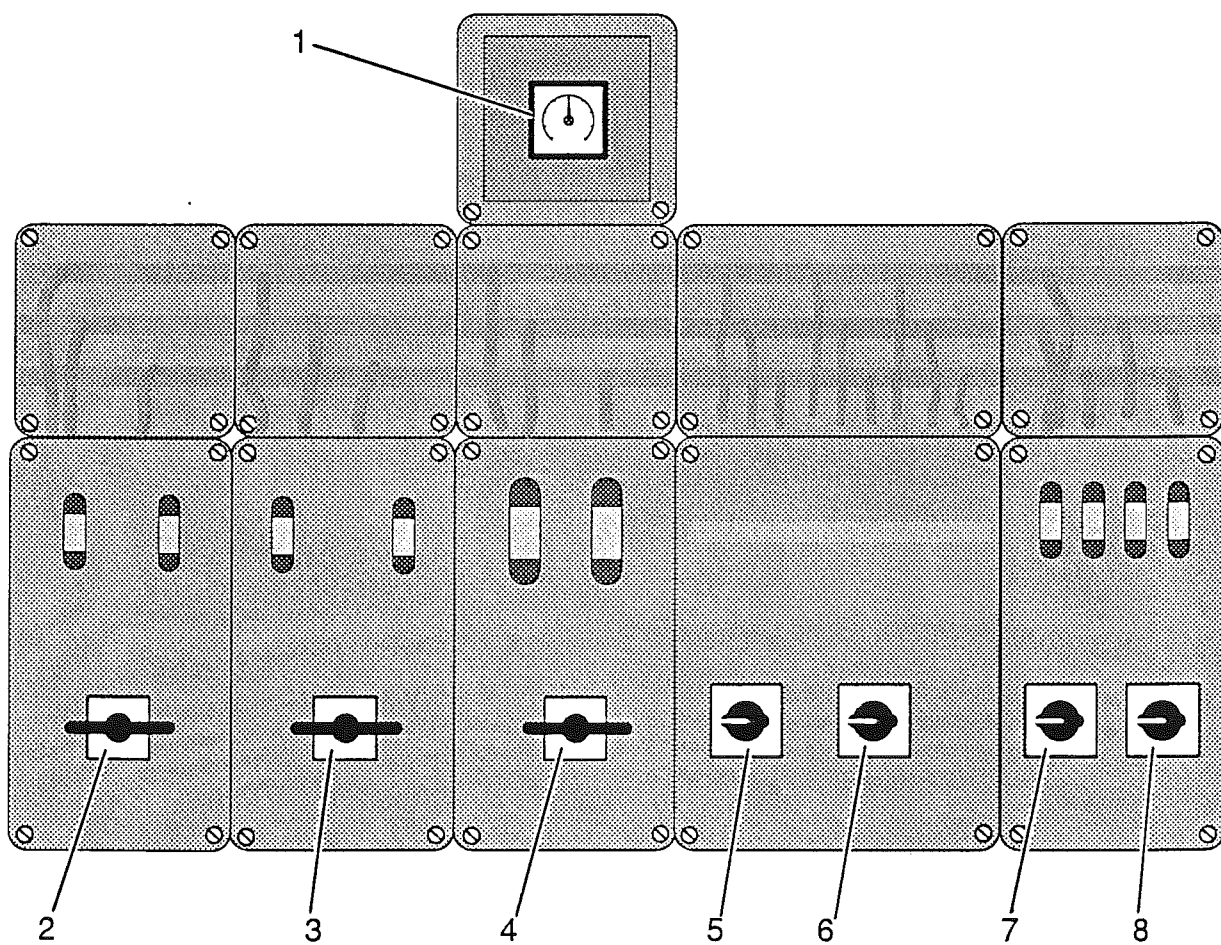


Figure 14.1 - 24 vdc Distribution Cabinet

DRESSER-RAND-POWER**1 GENERAL**

This cabinet is connected to three alternative sources of 24 volt dc supply and the output is distributed to those circuits requiring a 24 volt dc input. All output circuits contain a melt fuse to protect the circuit against overload.

2 OPERATOR FACILITIES

The cabinet contains a melt fuse for each of the input and output circuits. The fuses are of standard cartridge design.

NOTE: Only a fuse of the specified value should be used in any individual circuit. Upgrading the value of the fuse is strictly forbidden. Where a fuse fails, and the cause is not immediately apparent, the circuit should be tested to identify any potential problem.

The input circuits are:

Battery Charger (4n1)	:	100 Ampere
Battery Charger (4n2)	:	100 Ampere
24 volt Batteries	:	160 Ampere

The output circuits are:

Turbine Control Panel	:	50 Ampere
Fire & Gas Detection Panel	:	10 Ampere
Field Termination Cabinet	:	2 Ampere

The two currently unused circuits will be assigned fuse values at the time of utilization. One of the circuits is designed to have a fuse value below 35 ampere and the other will accept a fuse of a higher value.

AMPMETER (1)

This continuous-scale meter is indicating the current in the battery feed. The meter is graduated in ampere with the scale of -200 - 0 - 200.

BATTERY CHARGER (4n1) SWITCH (2)

This rotary switch will connect/disconnect the output from the Battery Charger (4n1) to this distribution panel.

BATTERY CHARGER (4n2) SWITCH (3)

This rotary switch will connect/disconnect the output from the Battery Charger (4n2) to this distribution panel.

BATTERY SWITCH (4)

This rotary switch will connect/disconnect the batteries from this distribution panel.

FIRE & GAS PANEL SWITCH (5)

This rotary switch will connect/disconnect the output from this distribution panel to the Fire and Gas Detection Cabinet.

SPARE SWITCH (6)

This rotary switch is not utilized at the time of installation.

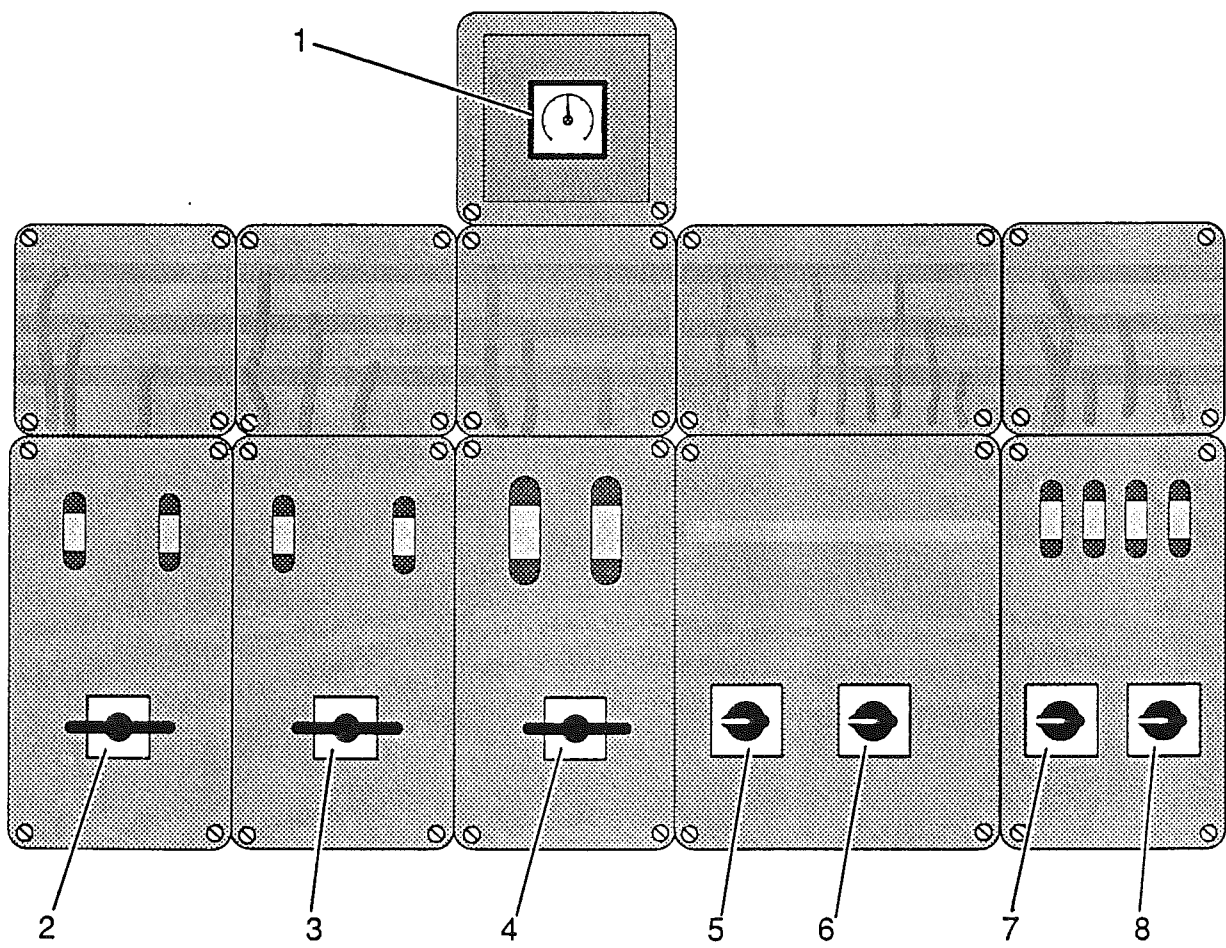


Figure 14.1 - 24 vdc Distribution Cabinet

DRESSER-RAND-POWER

TURBINE CONTROL CABINET SWITCH (7)

This rotary switch will connect/disconnect the output from this distribution panel to the Turbine Control Cabinet.

SPARE SWITCH (8)

This rotary switch is not utilized at the time of installation.