

DRESSER-RAND-POWER

CHAPTER 15

220/380V AC DISTRIBUTION

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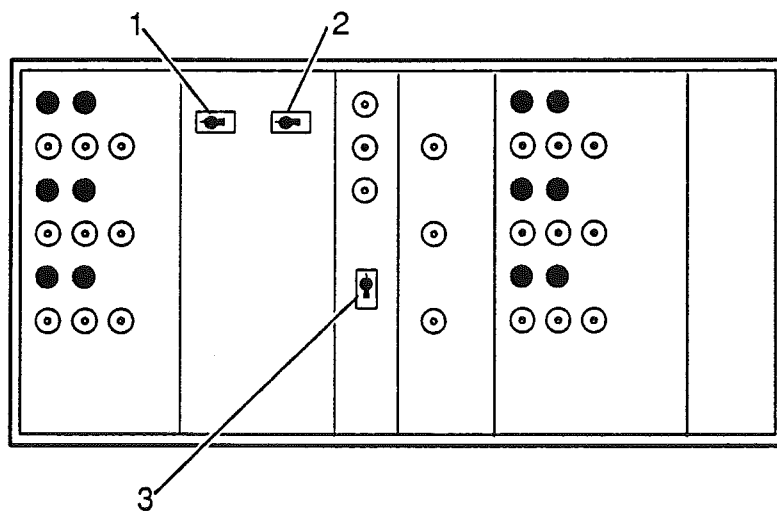


Figure 15.1 - 220/380 vac Distribution Cabinet

DRESSER-RAND-POWER

DR61G(000)-1-2-15

1 GENERAL

This cabinet is connected to a 380 volt ac three-phase supply and the output is distributed as 220 volt ac single-phase to auxilliary circuits. 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 output single phase circuits. The fuses are of standard screw-in cartridge design with a visible indication as to the fuse condition.

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 output circuits at the time of installation are:

Turbine Enclosure lighting	:	10 Ampere
Generator Enclosure lighting	:	10 Ampere
Air Intake Compartment lighting	:	6 Ampere
Lighting Turbine area	:	10 Ampere
Sockets Turbine area	:	10 Ampere
Turbine Lubricating Oil Heating	:	10 Ampere
Generator Lubricating Oil Heating	:	10 Ampere
Fire and Gas Detection Cabinet	:	6 Ampere
Air Pre-heat Valve	:	6 Ampere
Turbine Control Panel	:	2 Ampere
Heat Tracing (3x)	:	6 Ampere

The currently unused circuits will be assigned fuse values at the time of utilization.

THREE POLE SWITCHES (1 & 2)

These rotary type three-pole switches each control the output of three single phase circuits. For example the supply to the power sockets in the turbine area are controlled through one of these switches.

HEAT TRACING SWITCH (3)

This rotary type three-pole switch controls the output of the three phases utilized for the earth fault detection circuits.