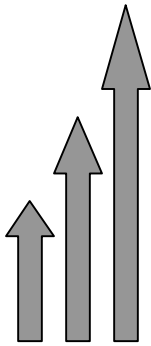


PASCAL



**TAILORED TO MEET CUSTOMER
SPECIFIC REQUIREMENTS**

INTRODUCTION

PASCAL manufactures Control & Relay panels and Control Desks for control, protection, alarm, indication, metering and synchronizing functions etc. for sub-stations and industrial plants. They are specially engineered and custom built to cater to the specific needs of the customer. The panels are designed for the local environment and ambient conditions

- Versatile Protection
- Compact & Flexible
- Customised Solutions
- Safe & Reliable Operation



BASIC SPECIFICATIONS

Applicable Standard	IEC 60439
System Voltage	6.6kV to 132kV
Rated Insulation voltage	690 V
Ambient Temperature	45 °C
Execution	Indoor / Outdoor
Access	Front / Rear
Cable entry	Bottom
Overall dimension	
Height	2200 mms
Width	600, 800 mms
Depth	600, 800 mms

Configuration

- Simplex/Duplex relay panels and boards
- Synchronizing panels/ trolleys
- Control desk
- Outdoor marshalling kiosk/ junction box

Application

- Substation bay control & protection
- Industrial Distribution control & protection
- Transformer control and protection
- Synchronising, metering, annunciation

CONSTRUCTION

The design of control & relay panels are based on the concept of unit assembly from standard parts. The panels are bolted together to form a board. This approach permits replacements, extensions, rearrangement and addition when necessary

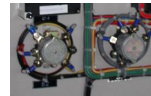
ENCLOSURE

Metal enclosed, floor mounting, free standing
 CNC Turret punch press fabricated CR sheet steel
 Multi Tank surface treatment
 Only powder coated painting process
 Weld free, neat appearance

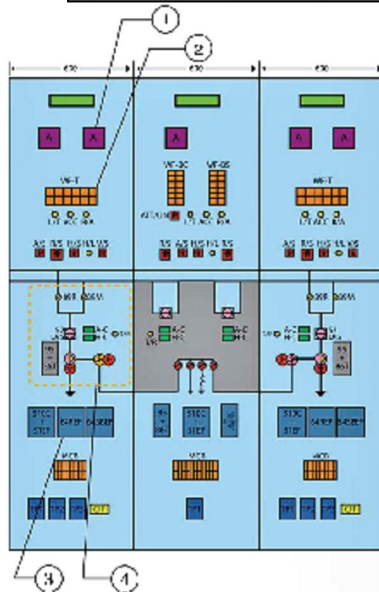


WIRING

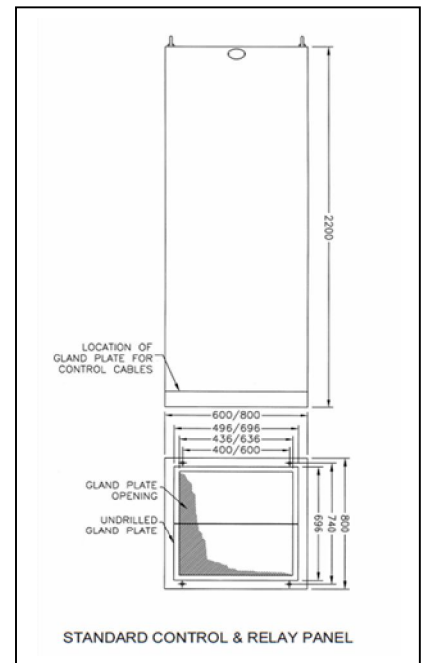
Neat, orderly layout
 1.1kV, PVC wire, suitable conductor size
 Bunched through PVC trough
 Termination – tinned copper ring lugs, washer - holding nut
 Engraved ferrules and color coded wiring



LAYOUT – TYPICAL



- (1) Metering
- (2) Window Alarm Fascia
- (3) Mimic Diagram & Control
- (4) Protection Relay



Engineered to satisfy.....

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