



STANDARD OPERATING PROCEDURE **FOR “MAKING PLC CONTROL PANEL”**

OBJECTIVE:- To establish a procedure for making PLC control panel.

POLICY:- To Complete the work in timeline.

PLC Control panel should be fulfills the customer’s requirements.

It should be proper and well placed devices on the control panel.

SCOPE:- This SOP shall be applicable for all control panels.

RESPONSIBILITY: Control Engineer and Electrician.

PROCEDURE:

1. List the required components as per the customer’s requirements for making control panel.
2. Find out the dimensions of devices and components.
3. Select the control panel according to the size of components and devices.
4. Have appropriate tools like, tester, multi-meter, wire stripper, lugs, ferrule crimper, cutter and drill machine.
5. Place and mount the components and devices properly on base plate of control panel.
6. First connect the power wiring properly and check all the possibilities of short circuit connections by using multi-meter.
7. Connect the PLC Input and Output wiring and make continuity test.
8. Do proper ferruling & rooting to the wirings.
9. Power on the control panel and check the input.
10. Check all the Inputs/Outputs with software.

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