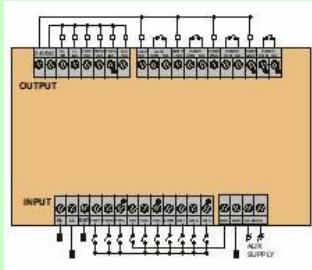


# BOOSTER PUMP CONTROLLER – BPC



CONNECTION DIAGRAM

**Booster Pumps** are used in applications where the normal system pressure is low and needs to be increased.

Sequencing of Booster Pumps according to the pressure switch, duty cycle is a necessity in a Booster Pump Control System. **Minilec Booster Pump Controller Card – BPC** fulfils all the requirements of a Booster Pump Control Panel. Suitable for 2/3 Pumps or 4/5 Pumps.

**Input:** 2,3,4,5 Pressure Switches, Over load relay contacts, Water Level Electrodes & Auto / Manual switches.

**Output:** 2 Relay outputs for 2 Pump System OR 3 relay outputs for 3 pump system and respectively for 4 & 5 Pump systems. Common Alarm Relay output for Buzzer.

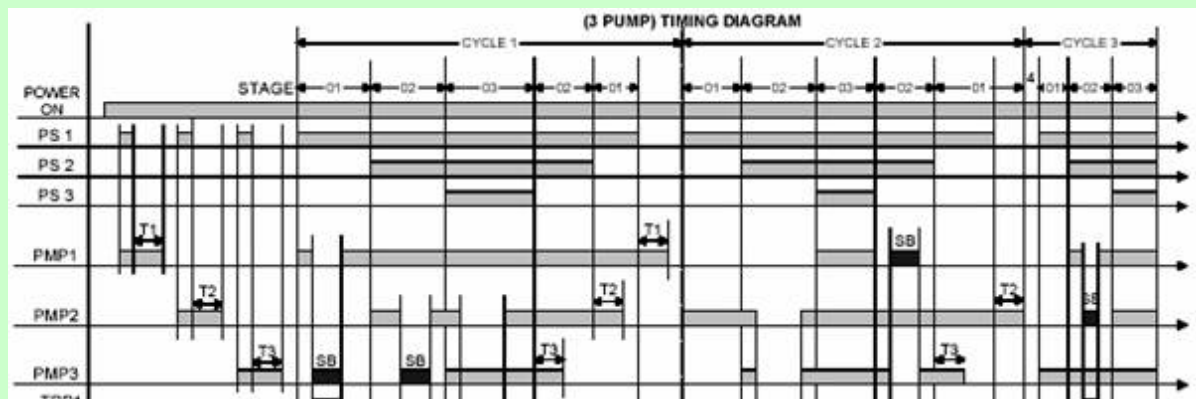
**Open Collector output:** For LED indications for RUN / Trip on the panel door for LED indications for LL, HL, O/L on the panel door.

**Operating Sequence:** Pressure Switches are preset according to the different pressure levels in the Pressure Tank. The water pressure in the Pressure Tank is to be maintained so that the consumers get constant pressure irrespective of the variations in the demand.

As the user demand increases the respective pressure switches activate & **Booster Pumps** are switch ON sequentially.

Similarly, as demand decreases, Booster pumps are switched off sequentially. This ensures equal running of all pumps, and availability of water at all times.

Timing Diagram



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