

Power Unit Controller

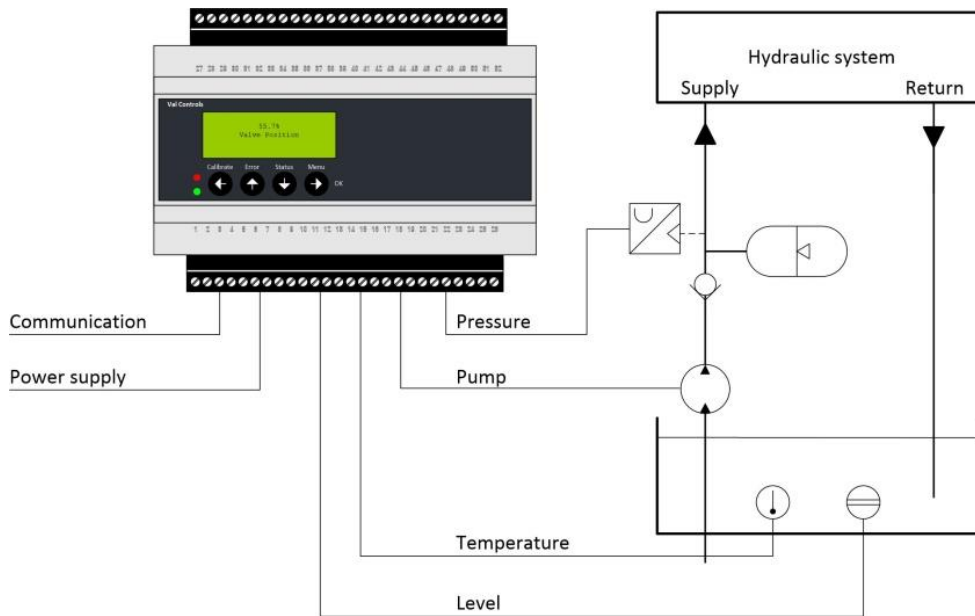
The power unit controller can control a hydraulic pump to keep the pressure in the system within a specified range by monitoring the pressure in the system.

The hydraulic system can also be monitored, so if the temperature of the hydraulic oil is too high or the level of hydraulic oil in the tank is too low, the controller will shut down the pump.

All configuration is done using ValConnect. Information regarding the system can be send to the control room using a communication protocol for failure detection.

The power unit controller can be used as a dedicated pump controller or be combined with our IHP or IDC range of controllers.

The IPC24 comes in a IPC24-B and IPC24-A, both versions with same software, but the A model have more in and outputs for more advanced systems.



Power unit controller schematic

Power output

- Digital output (24VDC)
- Safety timer

Pressure input

- High limit alarm
- Low limit alarm
- 4-20 mA input
- Switches (NO/NC)

Level input

- Low limit alarm
- 4-20 mA input
- Switches (NO/NC)

Temperature input

- High limit alarm
- Low limit alarm
- 4-20 mA input
- Switches (NO/NC)

Safety relay

- Digital input (NO/NC)
- Alarm

Control modes

- Auto
- Always on
- Always off
- Manual
- Local control panel

Communication

- HART
- Modbus
- Profibus
- FF
- Bluetooth



An IHP24-A with power unit control mounted on a self-contained system