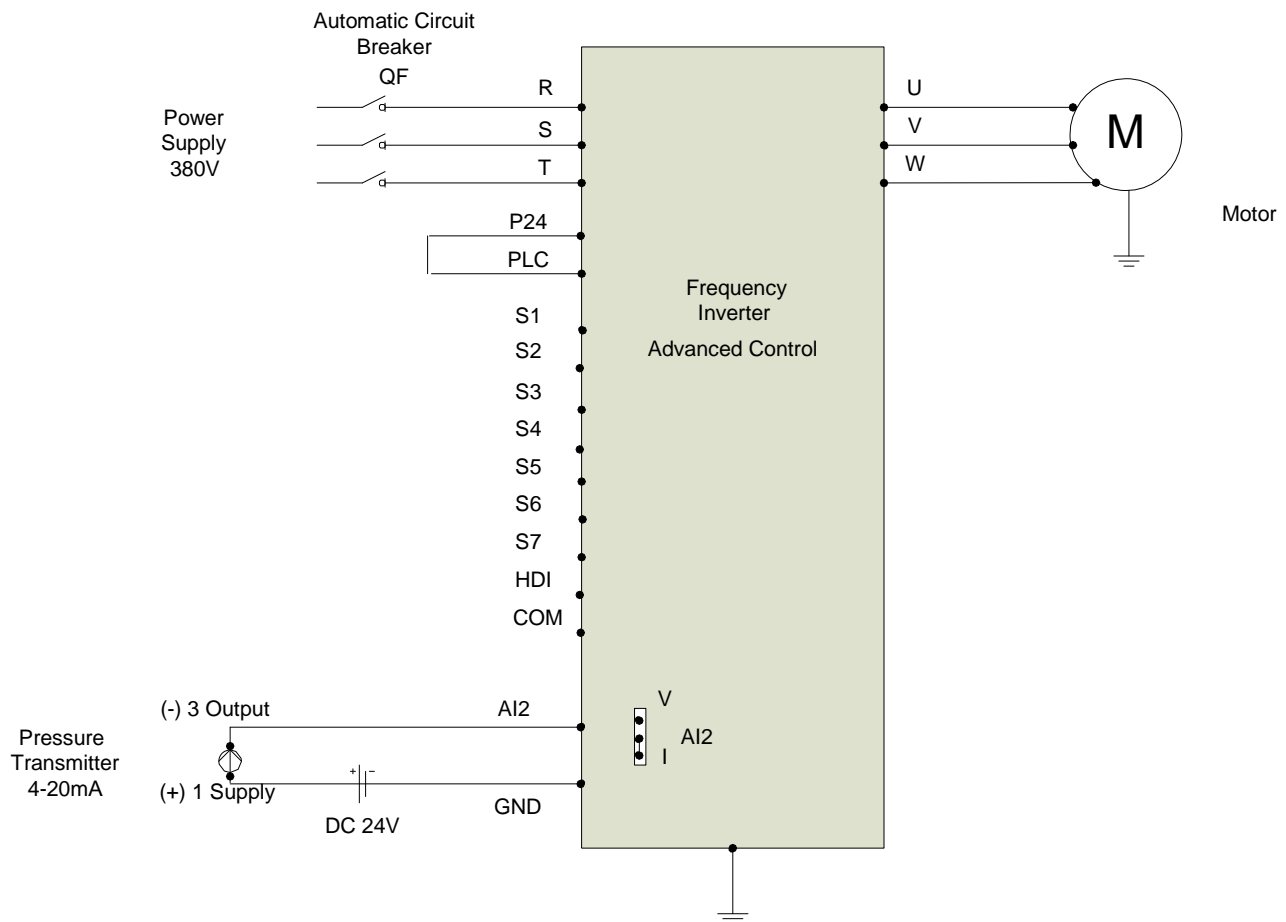


Application example of frequency inverter M430 series with PID control



M430 series PID control algorithm

F0.17=1 Restore parameters

F2.00=1

F2.01= Motor rated power (kW)

F2.03= Motor rated speed (rpm)

F2.05= Motor rated current (A)

PID control

F0.07=6

F7.06= 401

F7.08=20

F9.00=0

F9.01= (60) % maintained pressure value in water supply system

F9.02=1 connect pressure transmitter (4-20mA) to terminal «AI2». Switch J2 to I

F5.17=1.00

F5.19=5.00

F9.04=60 «P» F9.05=0.5 s «I»

Feedback lost failure

F9.09=3% Alarm signal "PIDE". F9.10=3s

Hibernating

F0.05=23 Hz Lower frequency limit (Hibernating input)

F1.12=2

F1.13=20s Delay time for restart

Restart

F1.14=1

F1.15=10s