

SmartPID M5 pro integration guide

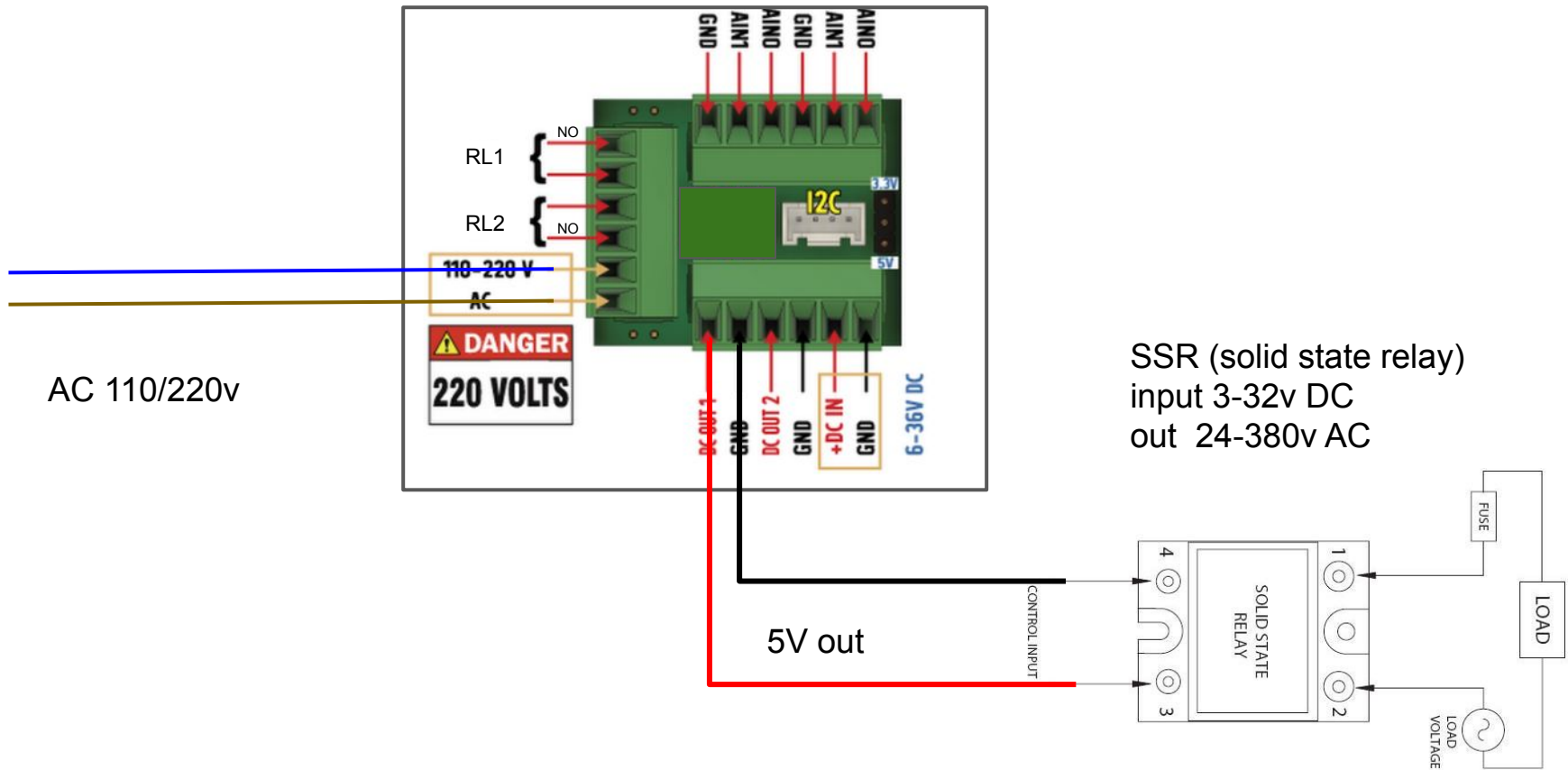


<https://smartpid.com>

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Load control via PID + SSR - AC power

Use of SSR + Heat Sink to manage **resistive load** with PID control algorithm

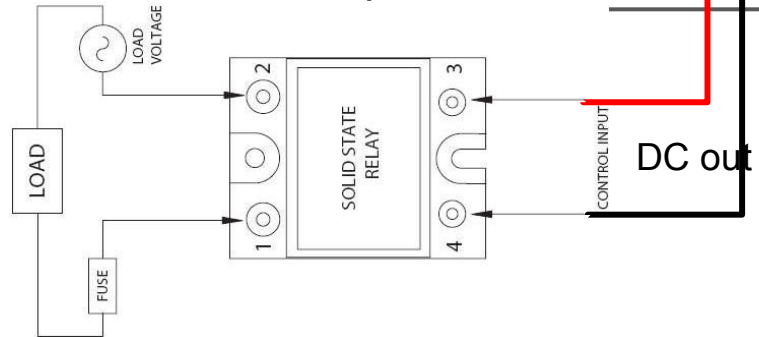
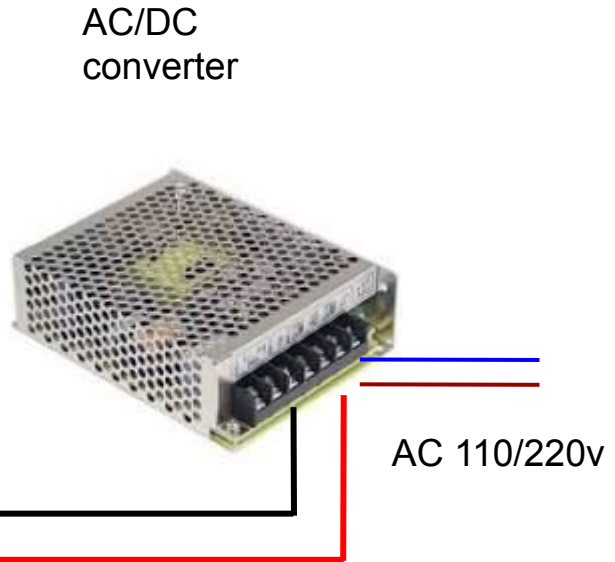
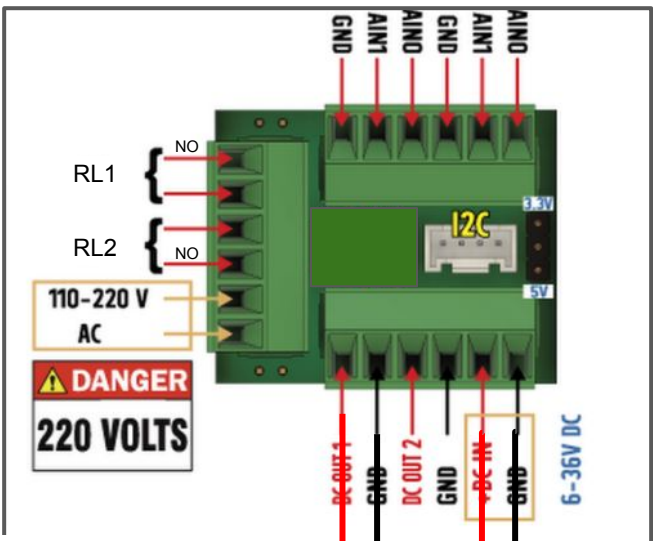


SSR (solid state relay)
input 3-32v DC
out 24-380v AC

Load control via PID + SSR - DC power

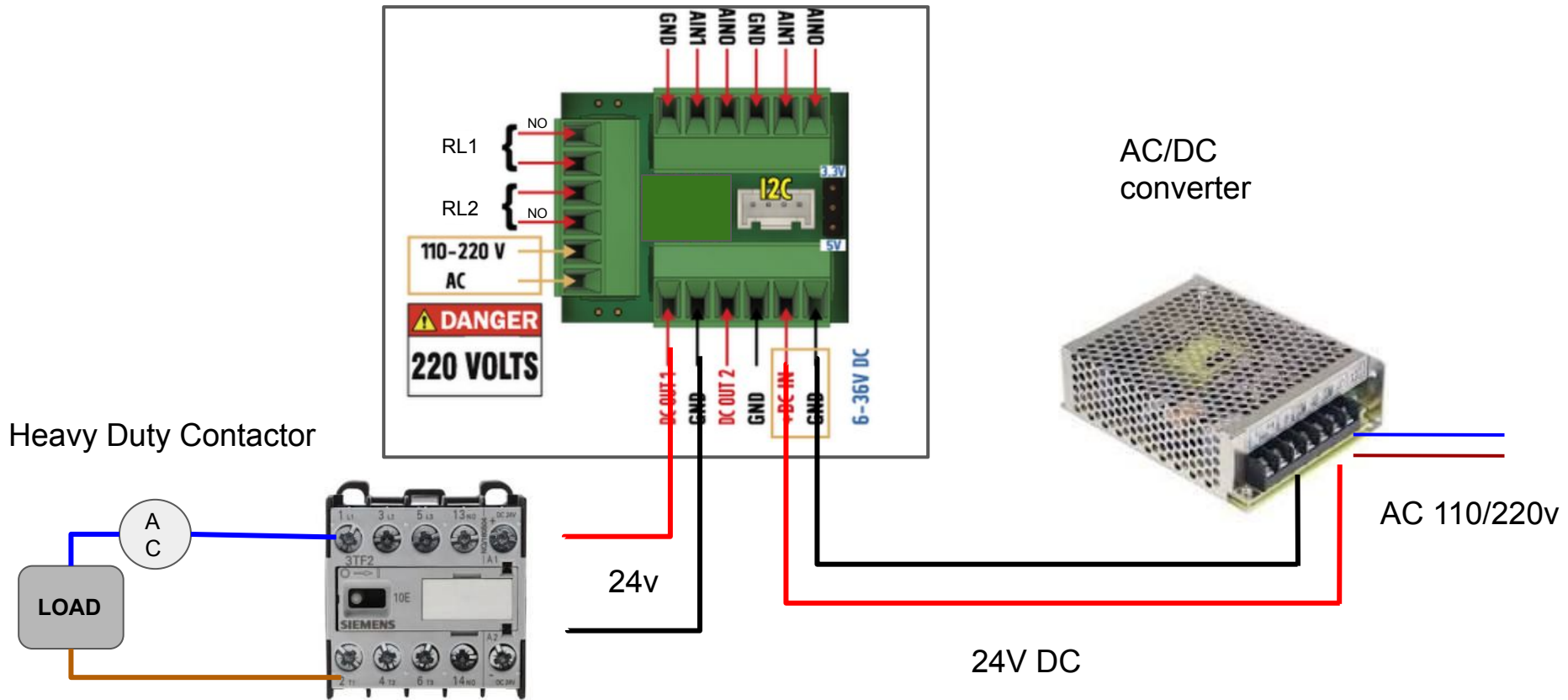
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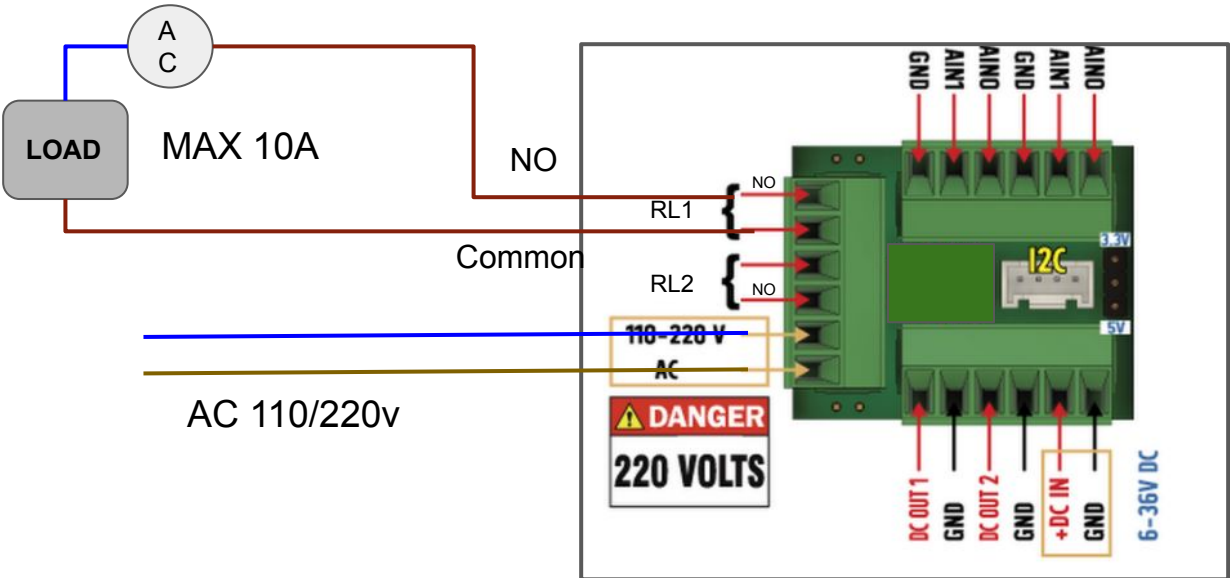
Load control via ON/OFF + Ext Contactor - DC power

Use External Contactor manage heavy duty AC load (motor, solenoid etc..)



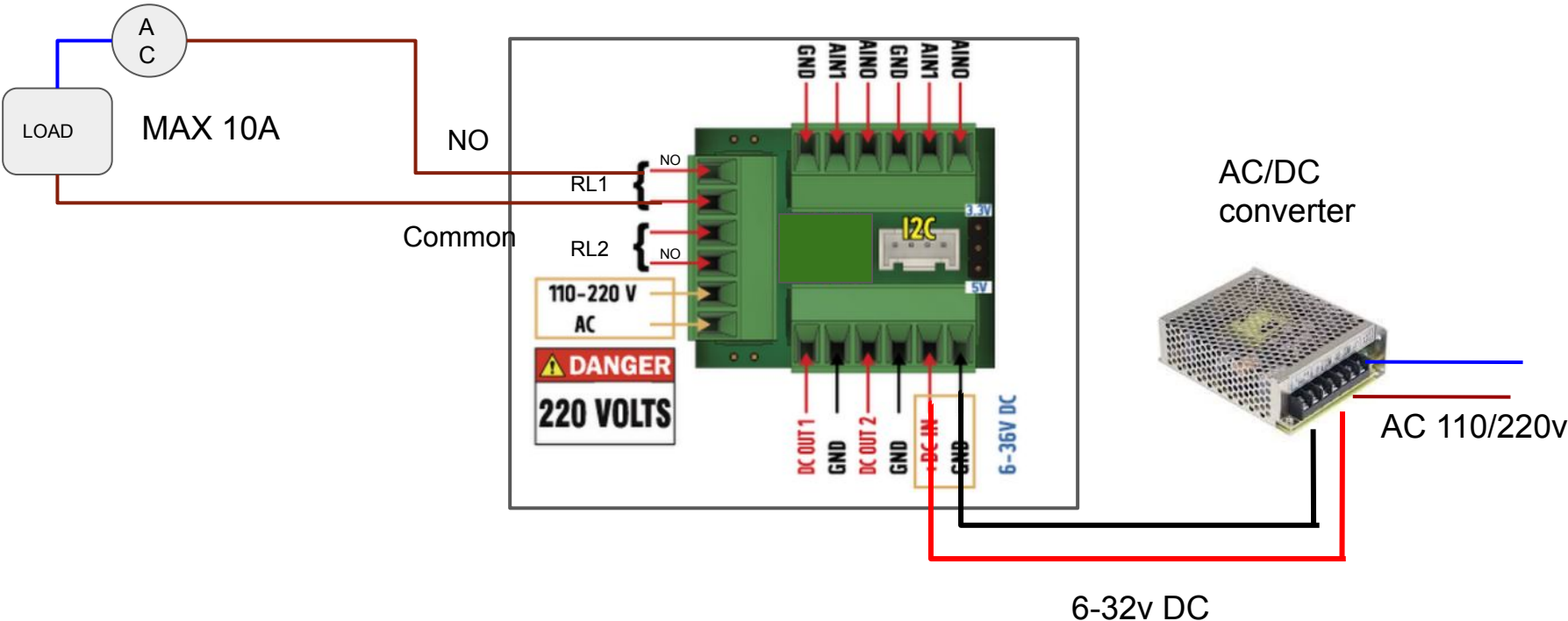
LOAD control via ON/OFF + Internal Relay - AC power

Use of Internal relay to drive AC /DC load up to 10A



LOAD control via ON/OFF + Internal Relay - DC power

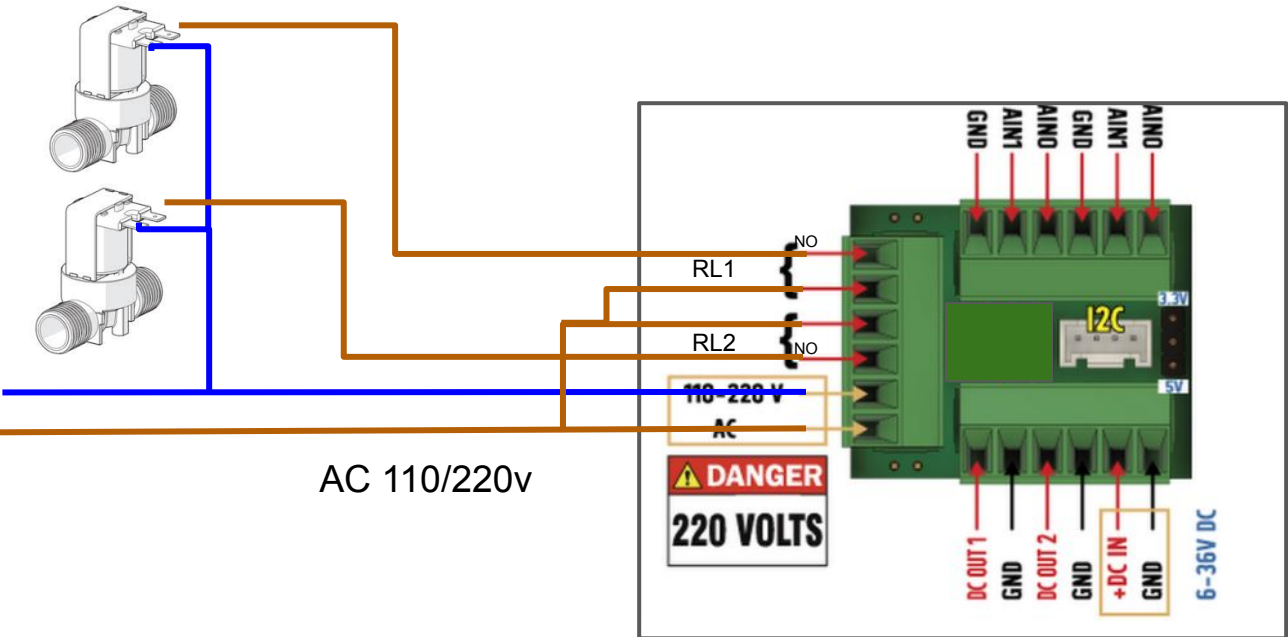
Use of Internal relay to drive AC /DC load up to 10A



AC solenoid valve control via Internal Relay - AC power

Use of Internal relay to drive AC /DC load up to 10A

MAX 10A



DC solenoid valve control via DC out - DC power

Use of DC direct output to drive the load up to 2.5A

