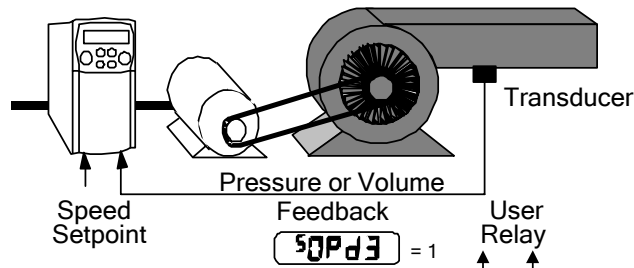


# Application 5 : PID



## PI Control

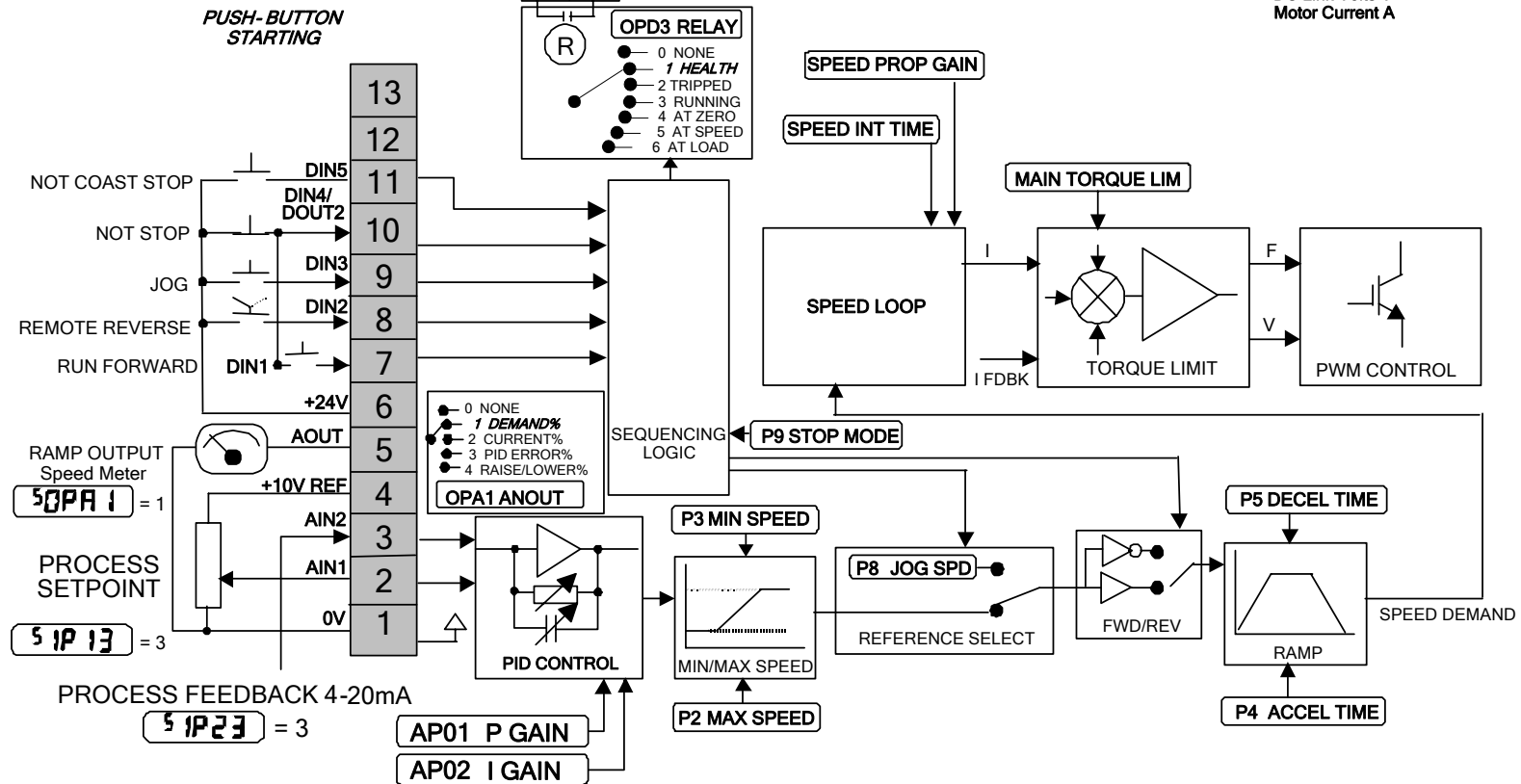
EASY TUNING FOR SETPOINT/FEEDBACK CONTROL  
 APPLICATIONS REGULATING VOLUME OR PRESSURE  
 SUCH AS AIR HANDLING OR PUMPING  
*Italic text indicates Default*

### STANDARD PARAMETERS

- p2 Max speed
- p3 Min speed
- p4 Accel time
- p5 Decel time
- p8 Jog setpoint
- p9 Run stop mode
- p99 Password

### DIAGNOSTICS

- Frequency Hz
- Speed Setpoint %
- DC Link Volts V
- Motor Current A



## Application 5: PID

A simple application using a Proportional-Integral-Derivative 3-term controller. The setpoint is taken from AIN1, with feedback signal from the process on AIN2. The scale and offset features of the analogue input blocks may be used to correctly scale these signals. The difference between these two signals is taken as the PID error. The output of the PID block is then used as the drive setpoint.

