Both motor speed, and voltage safetybox logic conditions are set here.
The voltage safety box ensures 6V is passed to the motor input when
zero velocity is required (0V induces max speed). For this a logic circuit,
dictated by the conditions set here, ensures a 0V output is not passed
during initialisation.

3

0

Switch1

RT Logic 1

1

DAQ_in

<Angle_deg, Vel_rpm, Throttle_%, srm>

<Throttle_%>

-C- cadence_ref

<Throttle_%>

Sat

Switch

cad_ref

Cadence Control

Vmotor

cad

<Vel_rpm>

RT V_motor

Vmotor

USB 6009 AO