



For Testing:
Sample simulator here

respond_to_control_changes

entry /
self.publish(
 signal=signals.SET_CURRENT_SAMPLER
 payload=Sampler(fn=partial(self.sample_current)))

Sampler = namedtuple(
 'Sampler', ['fn'])

self.publish(
 signal=signals.SET_VOLTAGE_SAMPLER
 payload=Sampler(fn=partial(self.sample_voltage)))

self.subscribe(Event(signal=signals.REQUEST_FOR_SAMPLERS))
self.subscribe(Event(signal=signals.DRIVE_CURRENT))
self.subscribe(Event(signal=signals.DRIVE_VOLTAGE))

DRIVE_CURRENT as e /
self._driving_terminal_volts = None
self._driving_terminal_amps = e.payload.amps

DriveCurrent = namedtuple(
 'DriveCurrent', ['amps', 'control', 'sec'])

DRIVE_VOLTAGE as e /
self._driving_terminal_amps = None
self._driving_terminal_volts = e.payload.volts

DriveVoltage = namedtuple(
 'DriveVoltage', ['volts', 'control', 'sec'])

drive_current_state

entry /
self.drive_current(
 self._driving_terminal_amps
 self._control
)

drive_voltage_state

entry /
self.drive_voltage(
 self._driving_terminal_volts,
 self._control
)

For Testing:
Run simulator here

REQUEST_FOR_SAMPLERS