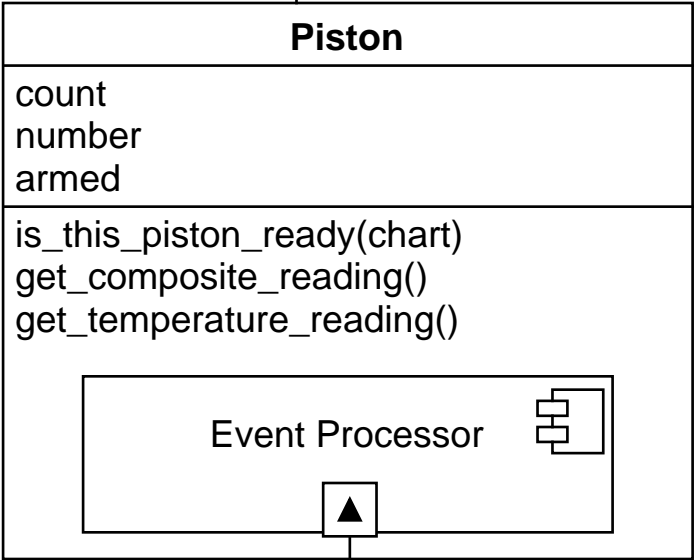


HsmWithQueues



```
def is_this_piston_ready(piston):  
  
    comp = piston.get_composite_reading()  
    temp = piston.get_temperature_reading()  
  
    if 0 <= comp <= 20 and 50 <= temp <= 100:  
        ready = True  
    elif 25 <= comp <= 50 and 200 <= temp <= 333:  
        ready = True  
    elif 30 <= comp <= 66 and 403 <= temp <= 600:  
        ready = True  
    elif 70 <= comp <= 100 and 670 <= temp <= 1500:  
        ready = True  
    else:  
        ready = False
```

all piston objects
will use the
same state machine

