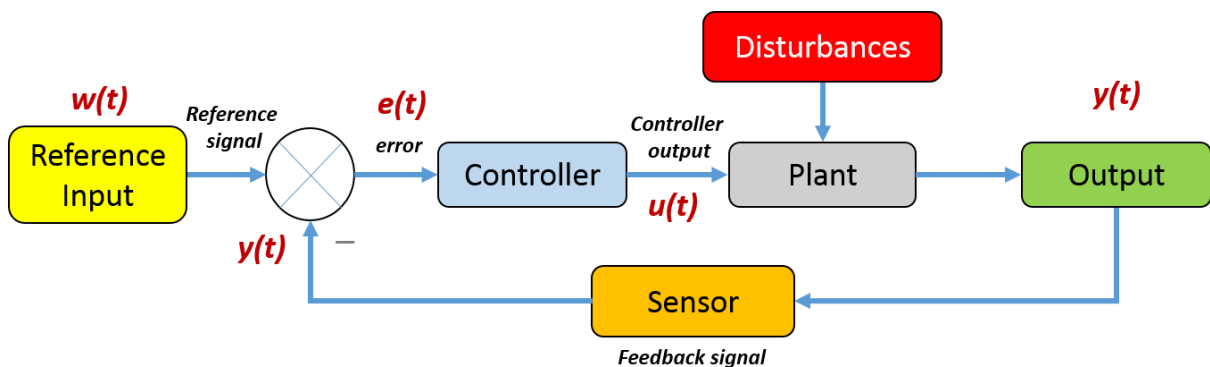


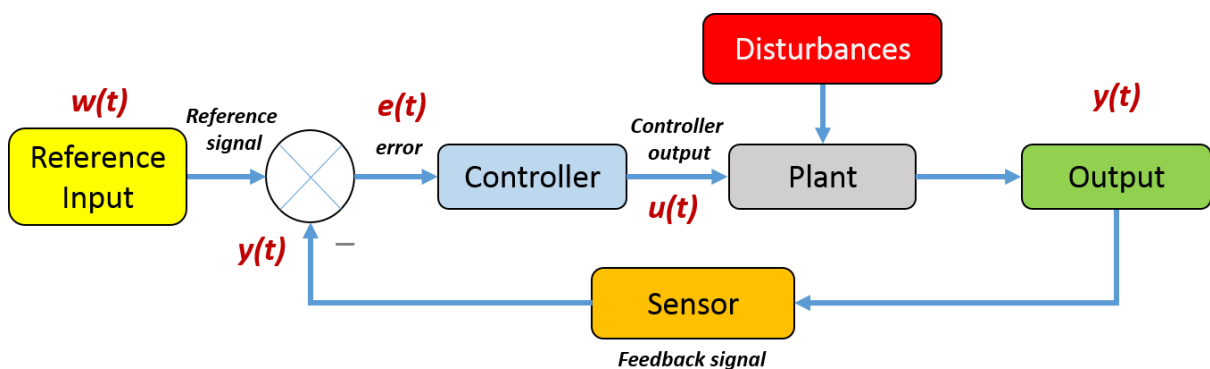
Quiz 13 – Understanding Control System – PID

1. What is error in control signal?
 - Input - Feedback
 - Input - Controller output
 - Controller output – feedback
2. In which controller **steady state error** is a typical problem?



- P Controller
- PI Controller
- PID Controller

3. The input of a controller is?

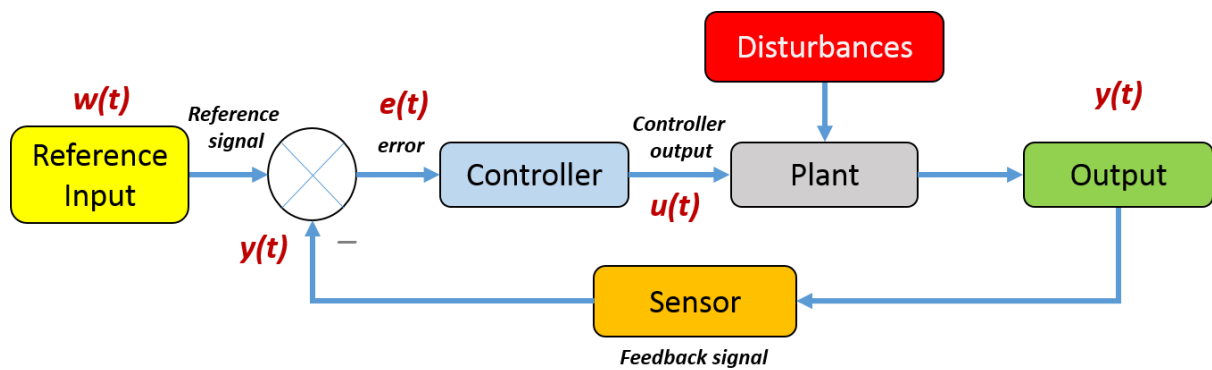


- $w(t)$
- $w(t) - y(t)$
- $e(t) * (w(t) - y(t))$

4. What is the effect of including dead-band in ON-OFF Type controller?

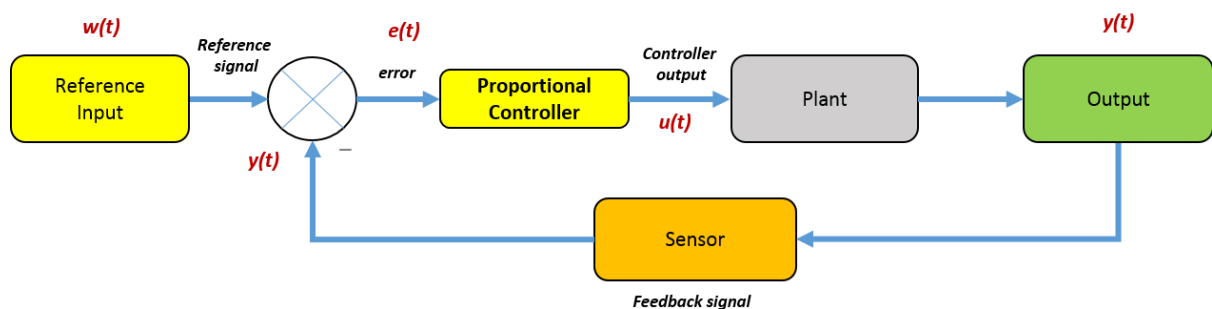
- It increases the frequency of output actuation
- **It decreases the frequency of output actuation**

5. Which type of controller look for the current error only?



- PI Controller
- PID Controller
- **P Controller**

6. What will be the output of Proportional controller if the error is Zero?



- Constant output not equivalent to zero
- **Zero**
- It will oscillate