

TrafficLight&PedestrianSimulator

- redLight : Integer
- yellowLight : Integer
- greenLight : Integer
- pedRed: Integer
- pedGreen: Integer
- buttonPin: Integer
- buttonState: bool
- pedestrianRequest: bool
- stateStartTime: unsigned long
- greenDuration: unsigned long
- PEDESTRIAN_GREEN_DURATION: unsigned long
- YELLOW_DURATION: unsigned long
- PEDESTRIAN_WAIT_DURATION: unsigned long

- + setup(): void
- + loop(): void
- + handleGreenState(): void
- + handleYellowState(): void
- + handleRedState(): void
- + handlePedestrianState(): void
- + resetState(): void