

# FORBIX SEMICON traffic light scheme for common way

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## Problem Statement:-

- ➊ **Only 1** vehicle can pass the (either direction) in a given time.
- ➋ Distance of the common road (100m – 1Km)

## Solution:-

- ➊ **Individual button and traffic light pole:**

### Manual switching control :

- Turns ON green light and automatic OFF after 30 – 180 seconds (programmable)
- Wireless communication between button pole and traffic light pole

- ➋ **Individual sensor pole and traffic light pole:**

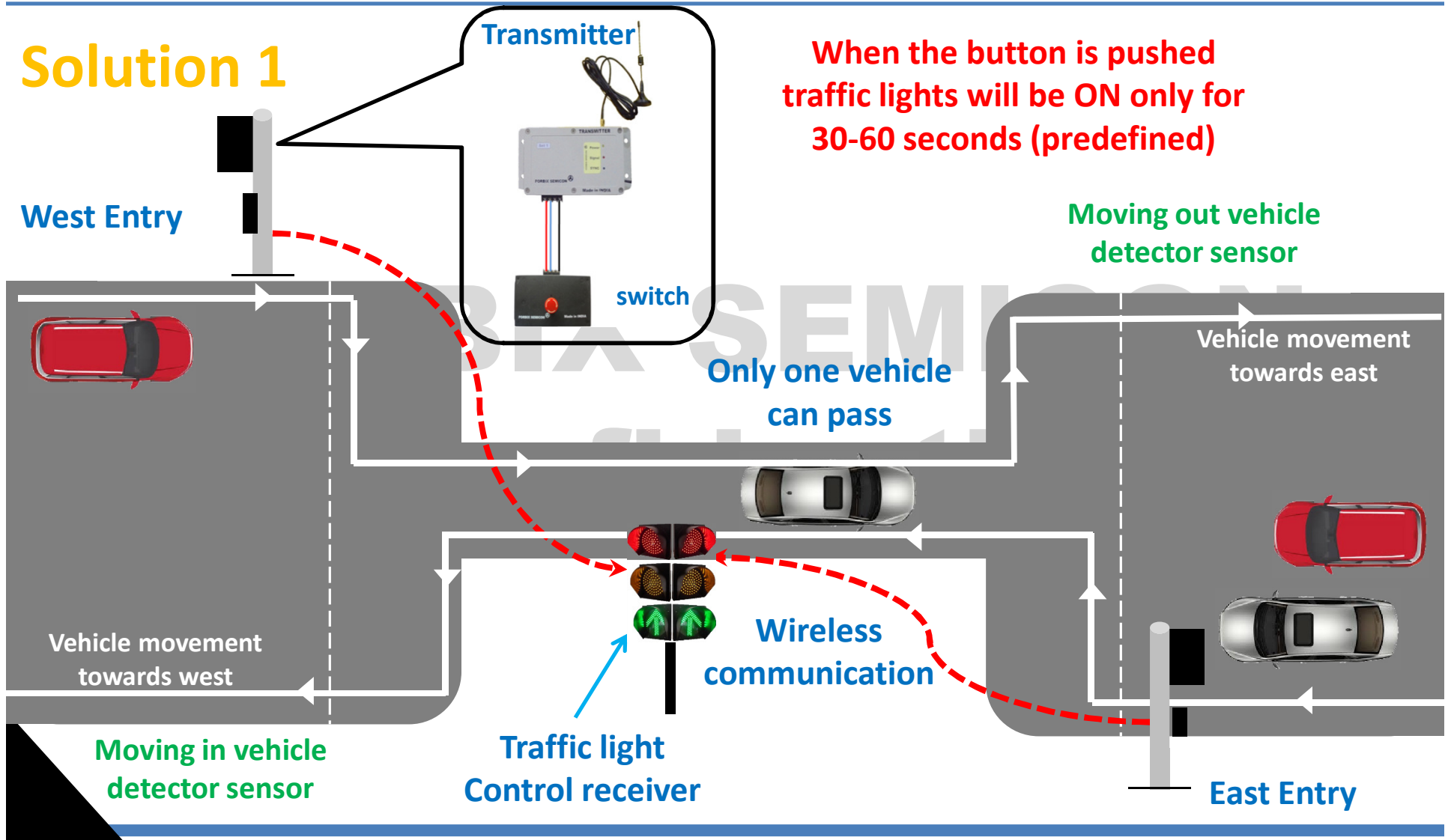
### Automatic switching control:

- Turns ON green using vehicle detection sensors
- Wireless communication between sensor pole and traffic light pole

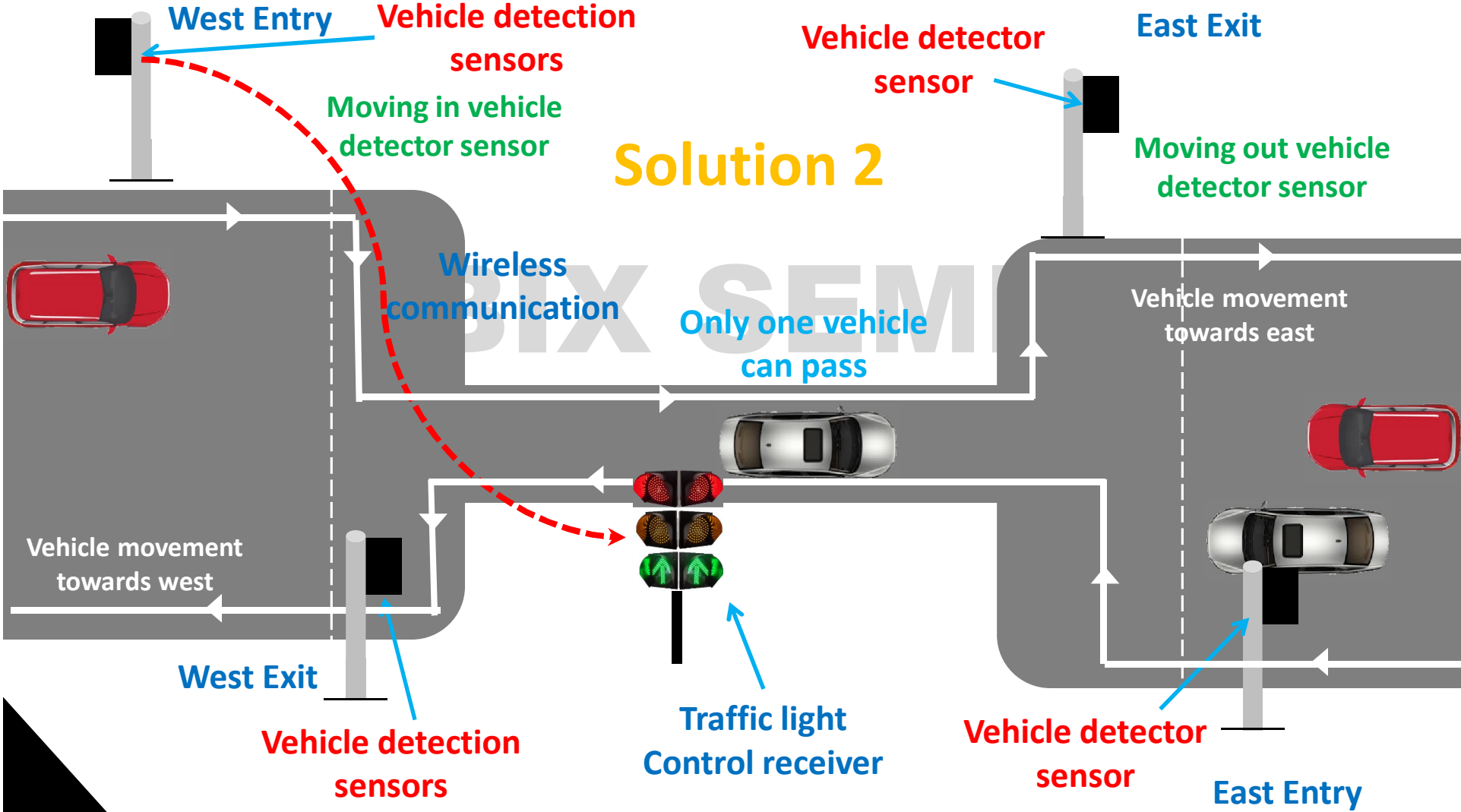
- ➌ **Common switch button and traffic light pole.**

# FORBIX SEMICON common road vehicle moving system with manual switching control

## Solution 1

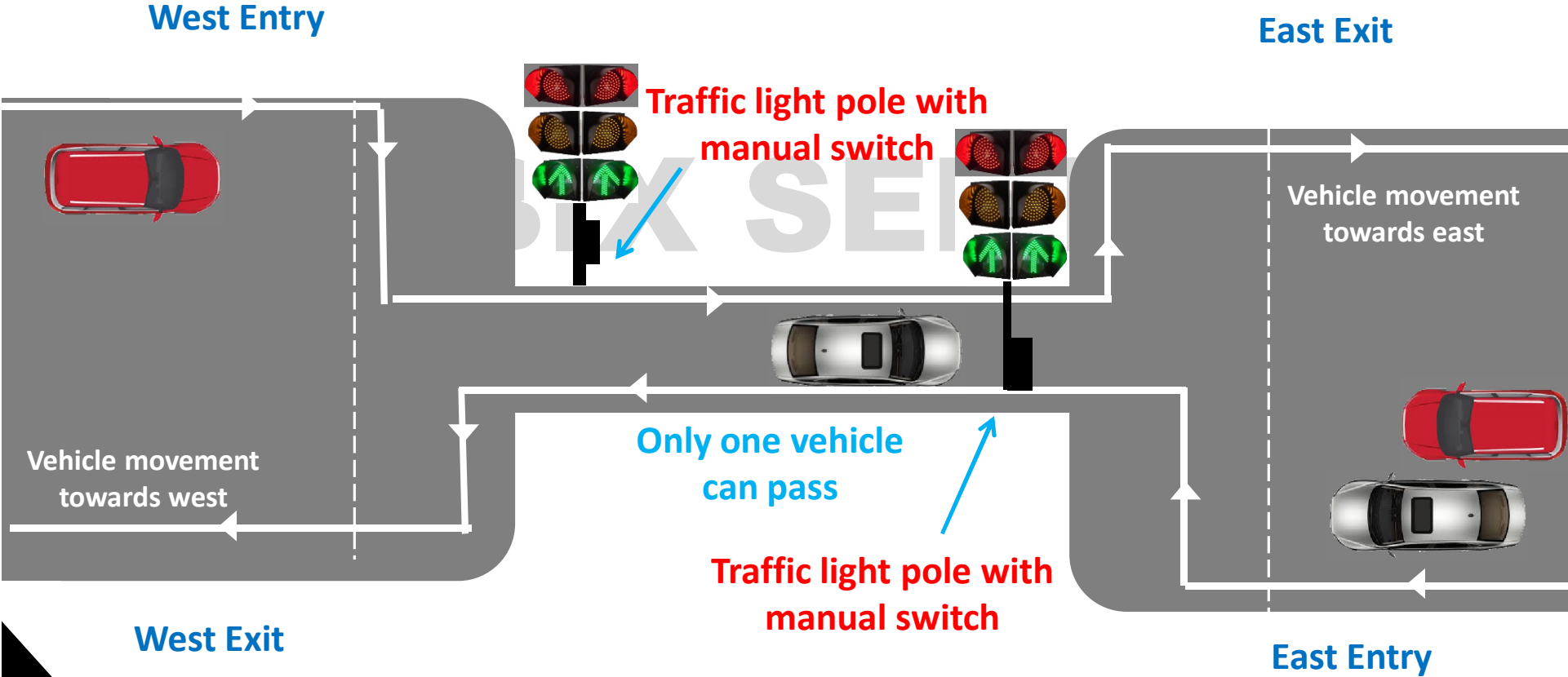


# FORBIX SEMICON common road vehicle moving system with automatic switching control

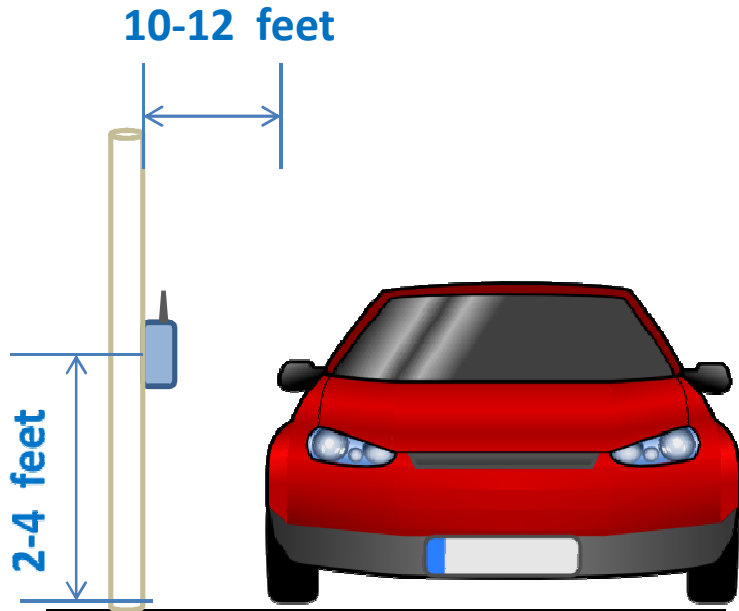


# FORBIX SEMICON transmitter receiver system

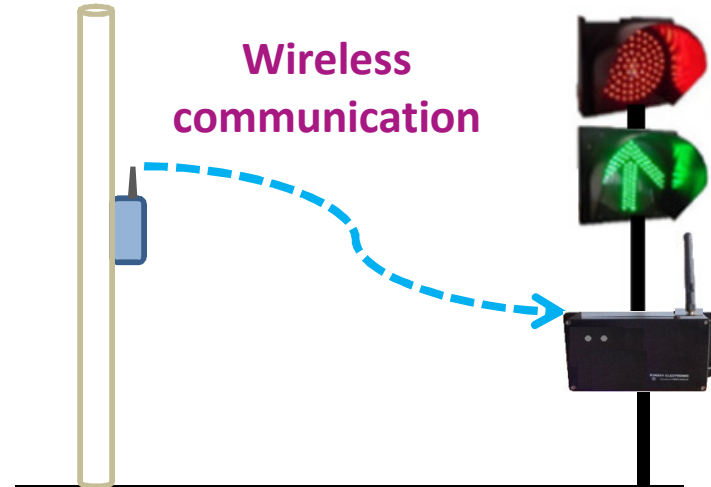
## Solution 3



# FORBIX SEMICON transmitter receiver system

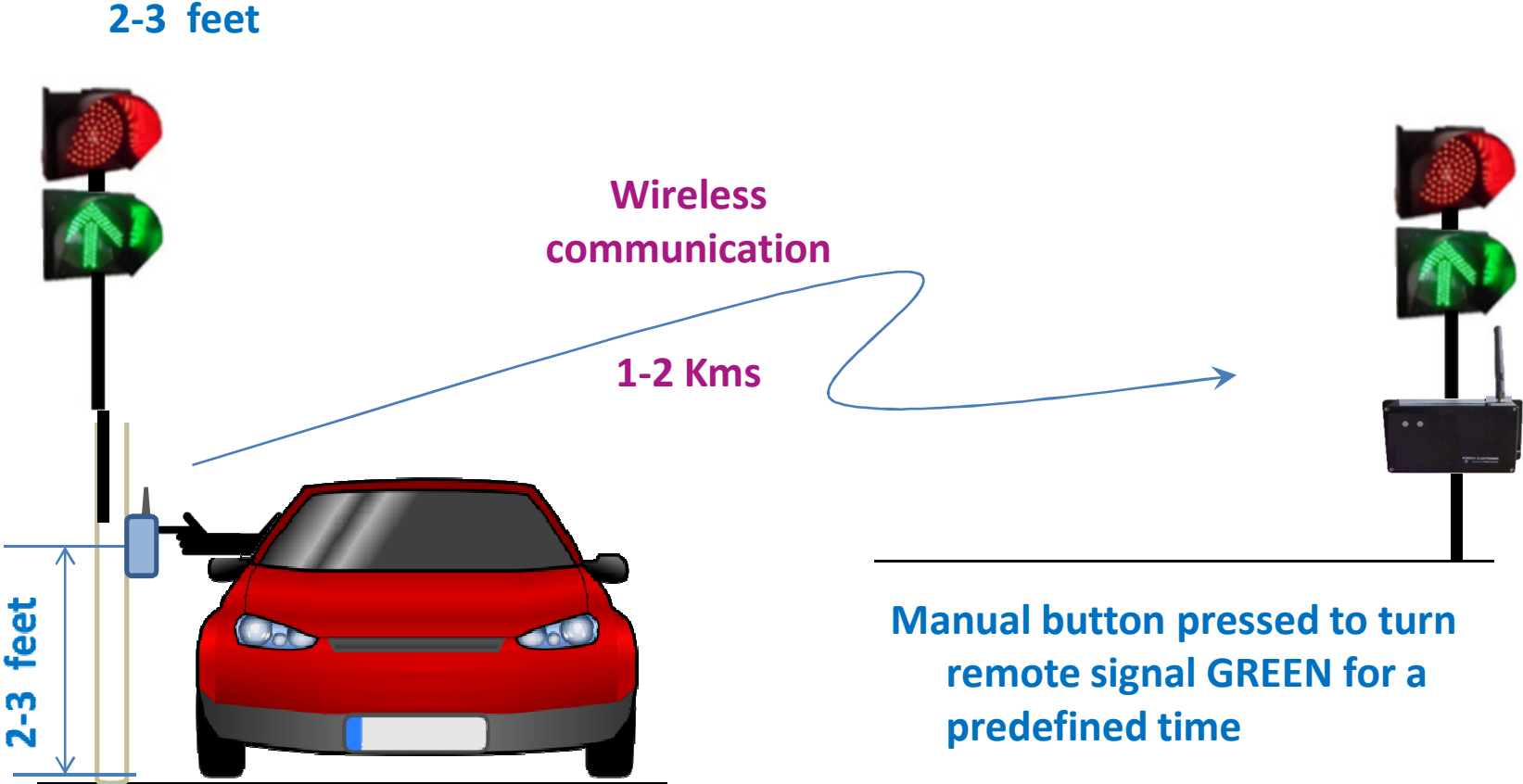


Positioning of the vehicle detector on the pole



- Vehicle detector sending detected signal to the traffic light control receiver.
- If no vehicle detected no signal will be sent.

# FORBIX SEMICON transmitter receiver system



Manual button pressed to turn remote signal GREEN for a predefined time

Manual push button to activate GREEN lights