FORBIX SEMICON customized vehicle movement light system

Vehicle movement is controlled by vehicle sensor detectors 1 & 2

Vehicle detector sensor + transmitter at EXIT

Vehicle detector sensor + transmitter at hopper

Hopper

Bay exit

Bay entry

Traffic light control receiver
FORBIX SEMICON customized vehicle movement light system

Bay exit

Switched OFF

Vehicle detector sensor

Hopper

Switched OFF

Vehicle detector sensor

Manually controlled traffic lights

Controlling the traffic lights RED/GREEN using external remote controller

Security guard
FORBIX SEMICON customized vehicle movement light system

Positioning of the vehicle detector on the pole

Vehicle detector sending signal to the traffic light control receiver

10-12 feet

6-10 feet

Wireless communication

Transmitter

Receiver
FORBIX SEMICON customized vehicle movement light system

Rules to turn ON signal lights:

1. RED light turns ON: (automatically GREEN turns OFF)
   - When vehicle is detected by the hopper sensor
   - Manual remote controller (make sure the sensor transmitters are OFF)

2. GREEN light turns On: (automatically RED turns OFF)
   - Default
   - When vehicle has moved out of Bay exit (detected by EXIT sensor)
   - Manual remote controller (make sure the sensor transmitters are OFF)