



Key

Gate Operator:

- Opens and closes the physical gate.
- Handles all safety functions.

IoT Controller Device Code:

- Monitors gate operator status lines (open/Closed and moving) to provide closed, opening, open, and closing status outputs.
- Provides a contact closure output to control gate operator "open gate" line.
- Provides a contact closure output to control gate operator "close gate" line.
- Sends and receives commands from the Agent via Wi-Fi.
- Firmware updatable live over the air.
- Powered by the gate operator.

IoT Controller Agent Code:

- Secure intermediary between the device controller and the secure web server.
- Sends and receives commands from the controller the device(s).
- Sends and receives commands from the secure web server.

Secure Web Server / Database:

- Sends and receives commands from the Agent.
- Serves up web pages and API for user and app interface.
- Receives status updates from device(s) via the agent and saves the state to a database.

App / Web Control:

- User interface.
- Admin/Access control (future).