url: [www.zhengyuduan.com/station-api/](http://www.zhengyuduan.com/station-api/)

Station status: offline (0), online (1), in-use (2), maintenance (3)

|  |  |
| --- | --- |
| **Initialization** | |
| URL | /initial.php |
| METHOD | POST |
| Body | {  "stationID" : \*,  "stationType" : \*,  "orderID" : \*,  "GPSID" : \*  } |
| DESCRIPTION | Initial station information  Clear all data table and sensor information  Initial and create a GPS sensor & data table. |

|  |  |
| --- | --- |
| **Register** | |
| URL | /register.php |
| METHOD | POST |
| Body | {  "sensorID” : \*,  “sensorType” : \*  } |
| DESCRIPTION | Register a new sensor for the station  Create data table for that sensor  Sensor type and sensor ID should be unique. |

|  |  |
| --- | --- |
| **GetStationStatus** | |
| URL | /getStatus.php |
| METHOD | GET |
| DESCRIPTION | Register a new sensor for the station  Create data table for that sensor  Sensor type and sensor ID should be unique. |

|  |  |
| --- | --- |
| **ChangeStationStatus** | |
| URL | /changeStatus.php |
| METHOD | POST |
| Body | {  "status” : 2  } |
| DESCRIPTION | Chang station status |

|  |  |
| --- | --- |
| **GetSensorStatus** | |
| URL | /getSensorStatus.php |
| METHOD | GET |
| BODY | {  “SensorID” : 123  } |
| DESCRIPTION | Return sensor status by sensorID  Will not have any return if sensor does not exists |

|  |  |
| --- | --- |
| **ChangeSensorStatus** | |
| URL | /changeSensorStatus.php |
| METHOD | POST |
| BODY | {  “sensorID” : 123,  “sensorStatus”: 2  } |
| DESCRIPTION | Change status for sensor by ID. |

|  |  |
| --- | --- |
| **GetLastData** | |
| URL | /getSensorData.php |
| METHOD | GET |
| BODY | {  “sensorID” : 123  } |
| DESCRIPTION | Return data in JSON format for select sensor  Only returns the newest data.  “newest” determined by time  Will not generate new data, only pull the last record. |
| RETURN | {  “sensorID”: 1,  “time”: 2314,  “data”: “{values:123}”  } |

|  |  |
| --- | --- |
| **GetDataForTime** | |
| URL | /getDataForTime.php |
| METHOD | GET |
| BODY | {  “sensorID” : 123,  “startTime”: 1000,  “endTime”: 2000  } |
| DESCRIPTION | Return all data between start time and end time. |
| RETURN | {  “sensorID”: 1,  “data”: [  {“time”:1000,  “value”: {}  } |