

ATLASSEN™ API

Application Programming Interface

Version 6 (CA)



Indoor Environmental Quality

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1 Realtime

1. Instruction

URL: <https://ca.atlasencontrol.com:5001/api/{APIKEY}/realtime/>

Request Method: POST

Encoding: UTF-8

Response Format: JSON

2. Request Parameters

Attribute	Required	Type	Description
{APIKEY}	Y	String	API Key
floor	N	String	floor id
zone	N	String	zone id
sensor	N	String	sensor id

1.3 Response Body Elements

Attribute	Required	Type	Description
rst_code	Y	int	result Code
update_date	N	String	Update Date (YYYY-MM-DD HH:II:S S)
sensor_list	N	JSONArray	sensor Array
floor	Y	String	floor id
zone	Y	String	zone id
sensor	Y	String	sensor id
data_list	N	JSONArray	sensor Data Array
CO2			CO2
CO			CO
TVOC			TVOC
PM10			PM10
PM25			PM2.5
PM01			PM1.0
HCHO			HCHO
NO2			NO2
O3			O3
NH3			NH3
Temp			Temperature
RH			Humidity
Lux			Illuminance
dBA			Acoustic
MOTION			Motion
satisfaction			satisfaction

1.4 Example

```
{
  "sensor_list": [{
    "floor": "9F",
    "zone": "A ZONE",
    "sensor": "TEST007",
    "data_list": {
      "CO2": "497",
      "CO": "0.1",
      "TVOC": "16",
      "PM10": "2.3",
      "PM25": "2.1",
      "PM01": "1.1",
      "HCHO": "9.7",
      "NO2": "29.7",
      "O3": "19.5",
      "NH3": "16.8",
      "Temp": "19.7",
      "RH": "37.9",
      "Lux": "0",
      "dBA": "40.9",
      "MOTION": null,
      "satisfaction": "70.785"
    },
    "update_date": "2019-07-11 12:30:09",
    "rst_code": 1
  }
}
```

2 Period inquiry

1. Instruction

URL: <https://ca.atlasencontrol.com:5001/api/{APIKEY}/date/>

Request Method: POST

Encoding: UTF-8

Response Format: JSON

2. Request Parameters

Attribute	Required	Type	Description
{APIKEY}	Y	String	API Key
floor	N	String	floor id
zone	N	String	zone id
sensor	N	String	sensor id
start_date	N	String	YYYY-MM-DD (default today)
end_date	N	String	YYYY-MM-DD (default today)

2.3 Response Body Elements

Attribute		Required	Type	Description
rst_code		Y	int	result Code
sensor_list		N	JSONArray	sensor Array
	floor	Y	String	floor id
	zone	Y	String	zone id
	sensor	Y	String	sensor id
	data_list	N	JSONArray	sensor Data Array
	date			Date (YYYY-MM-DD HH:II:SS)
	CO2			CO2
	CO			CO
	TVOC			TVOC
	PM10			PM10
	PM25			PM2.5
	PM01			PM1.0
	HCHO			HCHO
	NO2			NO2
	O3			O3
	NH3			NH3
	Temp			Temperature
	RH			Humidity
	Lux			Illuminance
	dBA			Acoustic
	MOTION			Motion
	satisfaction			satisfaction

2.4 Example

```
{  
  "sensor_list": [{  
    "floor": "9F",  
    "zone": "A ZONE",  
    "sensor": "TEST007",  
    "data_list": [{  
      "date": "2019-07-11 00:00:26",  
      "CO2": "497",  
      "CO": "0.1",  
      "TVOC": "16",  
      "PM10": "2.3",  
      "PM25": "2.1",  
      "PM01": "1.1",  
      "HCHO": "9.7",  
      "NO2": "29.7",  
      "O3": "19.5",  
      "NH3": "16.8",  
      "Temp": "19.7",  
      "RH": "37.9",  
      "Lux": "0",  
      "dBA": "40.9",  
      "MOTION": null,  
      "satisfaction": "70.785"  
    }],  
  },  
}
```

```

    {
      "date": "2021-03-11 00:10:14",
      "CO2": "496",
      "CO": "0.1",
      "TVOC": "15",
      "PM10": "2.3",
      "PM25": "2.1",
      "PM01": "1.1",
      "HCHO": "9.6",
      "NO2": "29.7",
      "O3": "19.5",
      "NH3": "16.8",
      "Temp": "19.8",
      "RH": "37.9",
      "Lux": "0",
      "dBA": "40.9",
      "MOTION": null,
      "satisfaction": "71.055"
    }
  },
  "rst_code": 1
}

```

3 Result Code

Status Code	Description
1	Success
100001	Wrong API Key
100002	Unauthorized IP
100003	Expiration API Key
110001	Search period is up to 7 days
300001	Invalid path



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