

Weather Station API Documentation

POST /api/device/weather_data_api

Purpose: Submit weather data from a weather station device.

Method: POST

Request Body:

Key	Data Type	Description	Required
CL_ID	int	Client ID	Yes
UID	str	Device ID	Yes
DT	"%d%m%y"	Date in the format DDMMYY	Yes
TM	"%H%M%S"	Time in the format HHMMSS	Yes
TW	int	Timezone offset in hours	Yes
TEMP	Optional[float]	Temperature (Celsius)	No
RAIN	Optional[float]	Rainfall (millimeters)	No
RAIN_CUM	Optional[float]	Cumulative rainfall (millimeters)	No
ATM_PRESS	Optional[float]	Atmospheric pressure (hPa)	No
SOLAR_RAD	Optional[float]	Solar radiation (W/m ²)	No

HUMID	Optional[float]	Humidity (%)	No
WIND_SPD	Optional[float]	Wind speed (m/s)	No
WIND_DIR	Optional[float]	Wind direction (degrees)	No
RUNHR	Optional[float]	Run hours	No

Request Headers:

Key	Value
Content-Type	application/json

Response:

- **Success (200):**
 - JSON response with a success message.
- **Error (400):**
 - JSON response with an error message and details.

Endpoint:

http://13.49.80.167:8001/api/device/weather_data_api (testing api)

Note:

- All fields are optional except for `UID`, `DT`, `TM`, and `TW`.
- Data should be submitted in JSON format.

- The response format will be JSON.
- Error handling and validation should be implemented to ensure data integrity.