

Energy Networks Association

Postcode Lookup API

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Contents

What is the Postcode Lookup API	3
Connecting to the API.....	3
Rate Limiting.....	4

What is the Postcode Lookup API

The Postcode Lookup API allows users to return specific DNO data relating to particular Postcode. This could be Rota Block information or which DNO serves that location.

Connecting to the API

The API has been created to be as simple as possible to both use and manage.

The API sits at the below URL –

<https://rldc-api.energyemergencies.org.uk/api/PostcodeLookup/GetPostcodeDetails>

To return data you need to pass 2 pieces of information withing the URL above;

- ☀ Postcode, and an;
- ☀ API Key

The postcode needs to be passed as a Query string within the URL with the name '**postcode**' and the API key is to be passed as a Header value.

For example, the postcode aspect might look like the below (note there is no space in the postcode being passed);

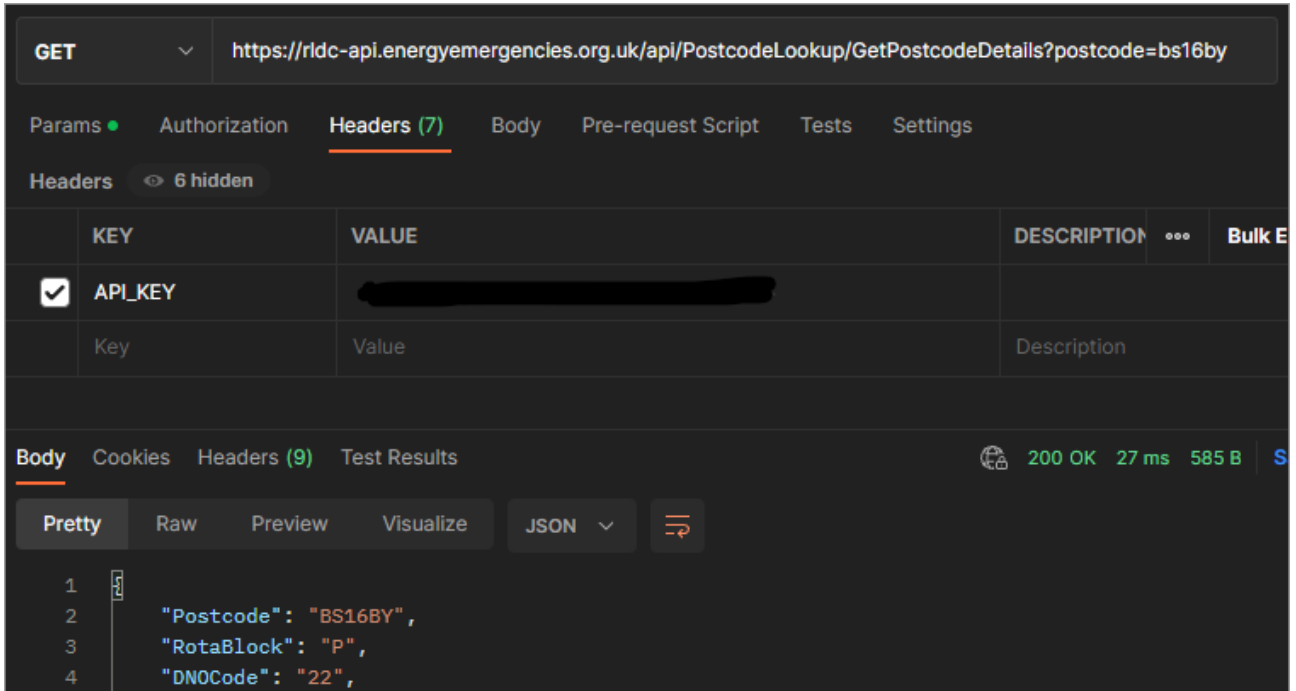
[URL]/GetPostcodeDetails?postcode=CA79BA

For the API Key, the Header key needs to be named '**API_KEY**' and the value to be the key that has been provided to you. This will be a random assortment of letters and numbers.

	KEY	VALUE
<input checked="" type="checkbox"/>	API_KEY	XXXXX-XXXXXX-XXX-XXXXXX-XXXX

Assuming the above has been passed correctly, then you should successfully return data in **JSON** format. You can then format and display this data however you wish.

The below is an example from Postman;



GET ▼ <https://rldc-api.energyemergencies.org.uk/api/PostcodeLookup/GetPostcodeDetails?postcode=bs16by>

Params ● Authorization **Headers (7)** Body Pre-request Script Tests Settings

Headers 👁 6 hidden

	KEY	VALUE	DESCRIPTION	...	Bulk E
<input checked="" type="checkbox"/>	API_KEY	[REDACTED]			
	Key	Value	Description		

Body Cookies Headers (9) Test Results 🌐 200 OK 27 ms 585 B S

Pretty Raw Preview Visualize JSON ⌵ ⌵

```

1  [
2    "Postcode": "BS16BY",
3    "RotaBlock": "P",
4    "DNOCode": "22",

```

Not all returned data is being shown above

Rate Limiting

The System has rate limiting in place to stop abuse of the system.

This is set to 1000 lookups within a 1 minute time frame after which the key would be locked out for 1 minute.