greenerthumb ICD

- Checksums are cyclic sums of all of a message's bytes excluding the checksum.
- Multi-byte fields are big-endian.

Air Status Message

Byte	Name	Type
1	ID $(0x00)$	Byte
2	Temperature	Float
6	Humidity	Float
10	Checksum	Byte

- Temperature is in degrees fahrenheit.
- Humidity is the ratio of water to air.

Soil Moisture Status Message

Byte	Name	Type
1	ID (0x01)	Byte
2	Moisture	Float
6	Checksum	Byte

• Moisture is the ratio of water to soil.

JSON

JSON is used for internal messaging. Every message has a corresponding JSON format with the structure:

```
{
   "name": <message_name>,
   <name>: <value>,...
}
```

IDs are swapped with names for friendlier use in applications. Checksums are excluded since the messages don't need to be sent over a network. Names and values correspond to the non-ID and non-checksum fields in the messages.