# `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.