DustIQ - instruction sheet

Follow these instructions carefully for the correct mechanical and electrical installation of the DustIQ

During indoor pre-installation:
Do not turn on the power of the DustIQ unit
Do not connect the DustIQ unit to a computer
Do not turn on the power of the operating computer until instructed to do so

Requirements

- Allen key 6 mm
- USB to RS485 converter
- Spanner 13 mm

Cable connection

<table>
<thead>
<tr>
<th>Wire</th>
<th>Function</th>
<th>Connect with</th>
</tr>
</thead>
<tbody>
<tr>
<td>Yellow</td>
<td>Modbus® RS-485</td>
<td>Data +</td>
</tr>
<tr>
<td>Grey</td>
<td>Modbus® RS-485</td>
<td>Data -</td>
</tr>
<tr>
<td>White</td>
<td>Power 12 to 30 VDC</td>
<td>Ground</td>
</tr>
<tr>
<td>Blue</td>
<td>Modbus® common / Ground</td>
<td>Ground</td>
</tr>
</tbody>
</table>

*, only for pre-install indoor use

* Connect to ground if DustIQ is not grounded

Push-Pull: Connect the supplied cable to the socket labelled ‘Host’

Positions and options

- Prefered installation

Dimensions

- Ø 5 mm
- -20 °C to 60 °C
- -4 °F to 140°F

Specifications

- 160 mm
- 35 mm
- 992 mm
- 4 kg
- 4x 4x 4x 4x 8x

Delivery Contents

- Housing
- Modbus® common / Ground
- Power ground
- Power 12 to 30 VDC
- Modbus® RS-485

Function

- Cable connection Default
- Connect the supplied cable to the socket labelled ‘Host’

Solar Panel Calibration

- 1
- 1

Daisy Chain -or- Temperature Sensor

Sensor 1

Pre-install only for indoor use

Ground

- A/A`/-
- Modbus® baud rate 19200
- Stopbits 1
- Address 1
- Local dust profile Arizona test dust

Installation of the DustIQ mechanical and electrical carefully for the correct

Arizona test dust

Local dust profile

PV panel

- 40 mm
- 35 mm
- 35 mm

PV panel

- 35 mm
- 35 mm

PV panel

- 40 mm
- 40 mm

PV panel

- 40 mm
- 40 mm

PV panel

- 35 mm
- 35 mm
- 35 mm

PV panel

- 40 mm
- 40 mm