

WiMOD - Mote II

Application Note AN019 / Version 0.1

Outdoor Usage



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Version	Description
0.1	Preliminary version.

Aim of this Document

Aim of this document is to give a short overview what to do to for possible outdoor usage of the Mote II.

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1 Overview

Outdoor environment has multiple sources of risk for electronic devices like the Mote II. The IPx5 certified Mote II is protected against water jets from any direction.

Additionally differences in ambient air temperature can cause unwanted condensation inside the housing which will affect function and lifespan of the Mote II. To avoid condensation an additional pressure compensating membrane should be mounted.

In the following chapter you will find detailed mounting information for the pressure compensating membrane DAE-D11 from BOPLA.

2 Mechanical Description

For mounting the DAE-D11 a hole has to be drilled into the housings cover.

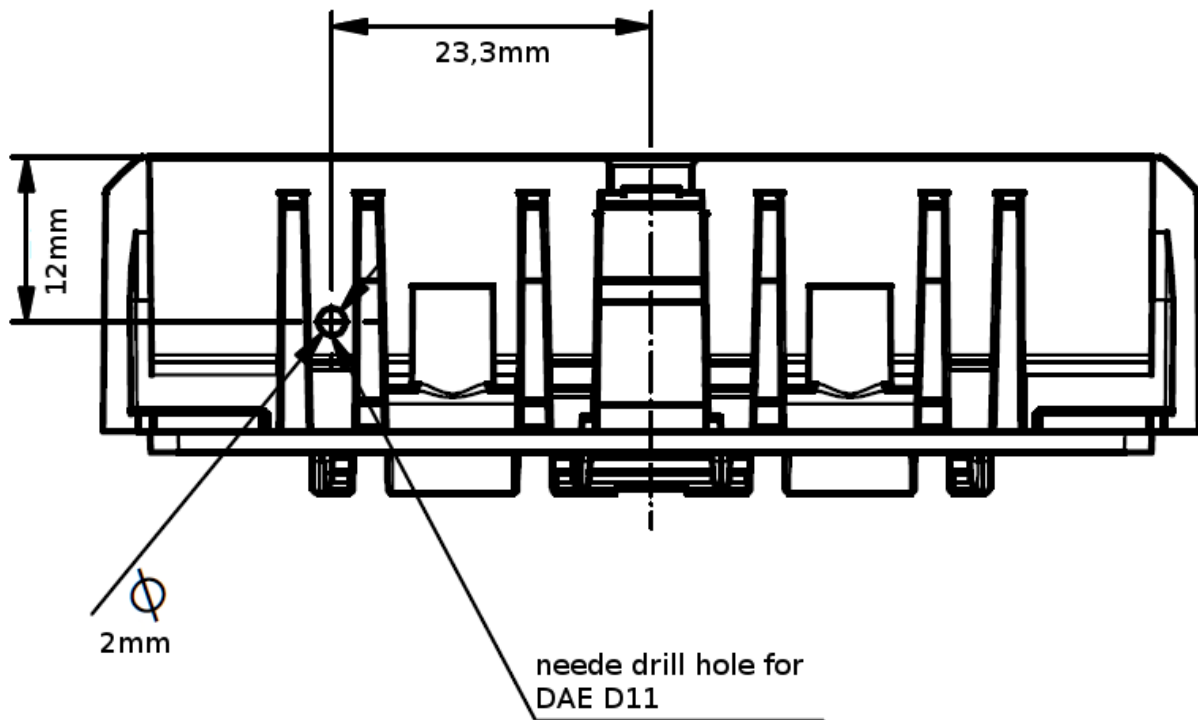


Figure 1: Mounting position for DAE-D11

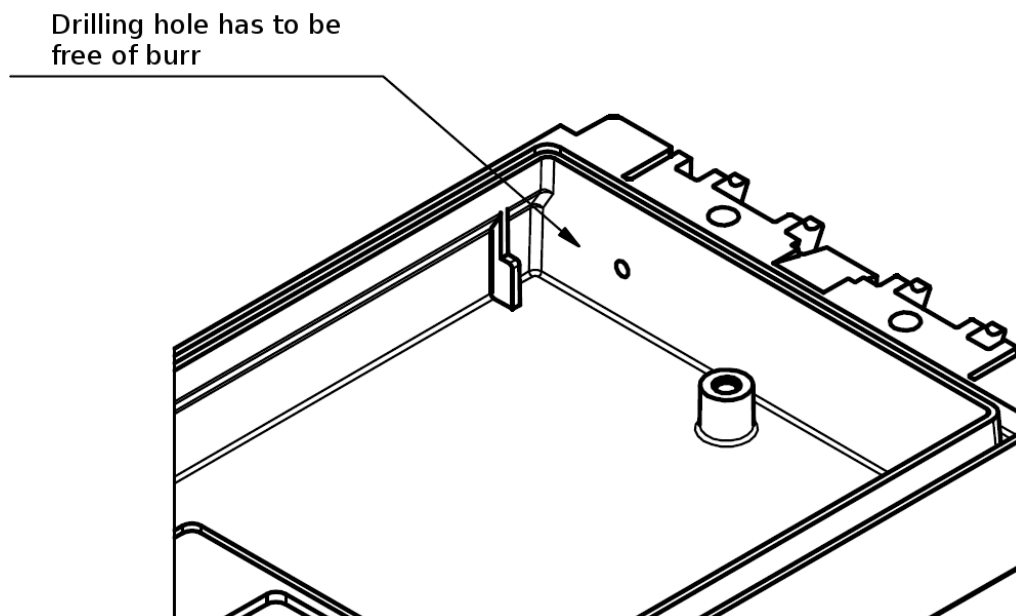


Figure 2: Drilled enclosure cover

3 Assembly instruction

1. Wear gloves and use rounded tweezers when handling DAE-D11.
2. Choose a flat mounting surface.
3. Clean mounting surface and area where DAE-D11 will be installed.
4. Allow surface to dry after cleaning.
5. Remove DAE-D11 from carrier material.
6. Put DAE-D11 on cleaned mounting area.
7. Apply light finger pressure to the adhesive ring to seal DAE-D11 to the enclosure.
8. Do not attempt to reposition DAE-D11 after installation – this could damage the vent.
9. Allow 24 hours dwell time before using or testing the DAE-D11.



Figure 3: mounting of DAE D11

For a general description and additional information about the DAE-D11 please refer to the bopla website:

<https://www.bopla.de/en>



Figure 4: cover with mounted DAE-D11

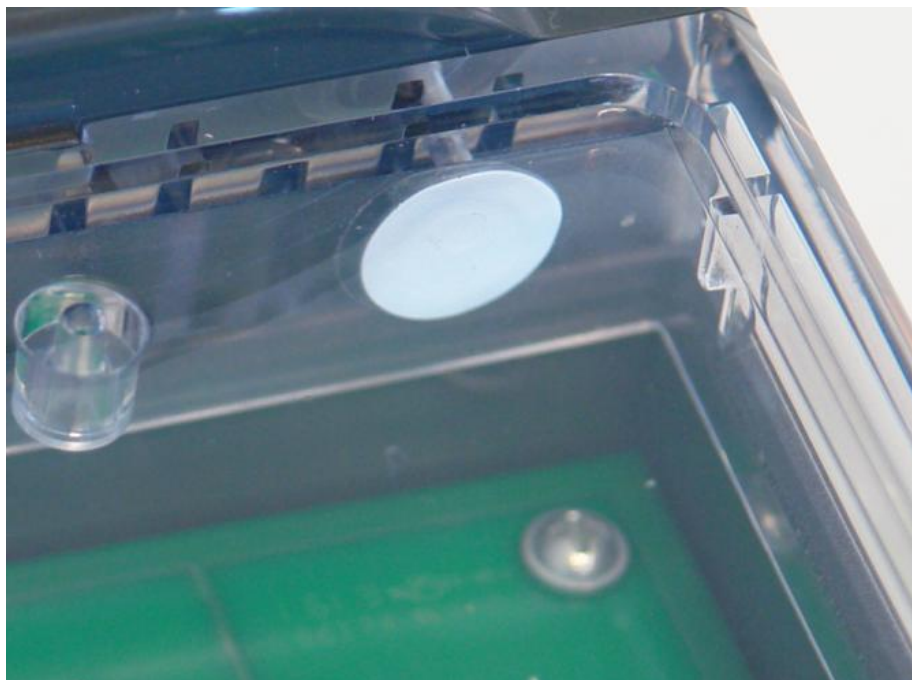


Figure 5: cover with mounted DAE-D11

4 Important Notice

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