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**i** Remove the adhesive waveguide protector before installation. It's very important to always use the supplied screws and conductive O-ring gasket when mounting the device to the antenna feed system. The

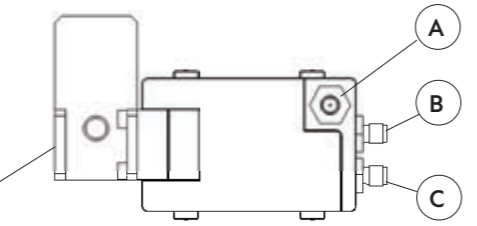
conductive O-ring gasket may have custom dimensions to fit flange groove, additional gaskets can be ordered free of charge. Any other means of mounting may void the warranty.

**!** Make sure that the antenna system is grounded to earth to avoid voltage discharge. Power the device with the recommended DC voltage. Too high voltage can damage the device. Connect everything properly before switching on DC voltage. Please consider the voltage drop in a long coaxial cable as too low voltage can affect the functionality.



**CAUTION!** Protect against water penetration. The components are designed for operation in temperatures between  $-40$  to  $+80^{\circ}\text{C}$ . However waveguide input is not waterproof and **MUST** BE protected from moisture and water.

Waveguide input.  
Type and size of waveguide and flange will be specific to input frequency range. Never mount waveguide flanges with O-ring groove facing each other. One flange must be flat and without O-ring groove.



Unused connector(s) should remain protected with cover.

Protect the coaxial cable connector with rubber seal tape.

**LNA Connector A** – SMA (female)  $50\ \Omega$ , power input  
Normally connected to BDC#1 with DC out to LNA

**LNA Connector B** – SMA (f)  $50\ \Omega$ , RF out  
To BDC#1 or to splitter in a Triple or Quad system

**LNA Connector C** – SMA (f)  $50\ \Omega$ , RF out  
To BDC#2 or to splitter in a Triple or Quad system

**NOTE!** Supplied RF cables **MUST** be used to avoid mismatch or degraded performance of the system. Max. bending radius of cables between LNA, splitters and BDCs are 50mm. In a Triple and Quad system, to avoid risk of interference, the BDC's must be connected according to the instructions found in the manual.

### Monitoring & Control (M&C) Prerequisites

Function is enabled on select products. The M&C Startkit contains cable with connector M8 and USB a Transceiver for connecting to host (RTU). Register Map for available (R/W) parameters, please note that the register map is specific to each product model. Download the latest register map from [smw.se](http://smw.se). Modbus software or driver is not included, but for purposes of testing or troubleshooting the freeware Monitoring & Control (M&C) Evaluation Tool is available at request.



For further details please scan QR-code link to access website complete with **Documentation, Technical Specifications, Manuals and Specific Register Maps.**  
<https://smw.se/findproduct>



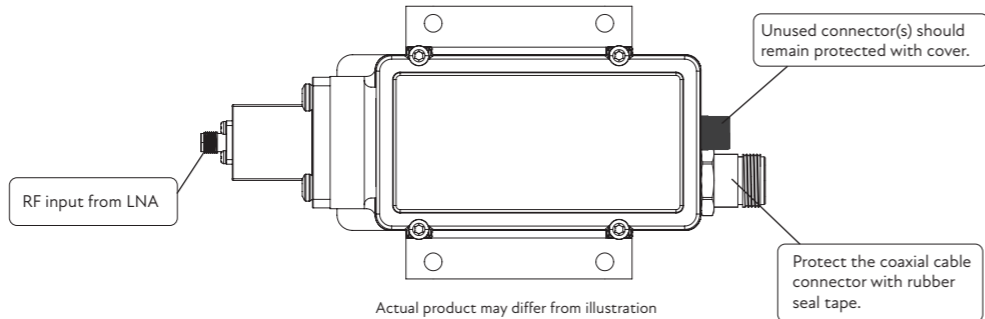
The device does not contain any parts that can be serviced by the user. For any inquiries related to maintenance, warranty, or service, please request a Return Material Authorization (RMA) at [www.smw.se](http://www.smw.se) or by sending an email to [support@smw.se](mailto:support@smw.se).



**General Conditions and Warranty**  
ORGALIME S 2012 and Appendices <https://smw.se/terms>. Standard Warranty 36 Months. Products are made for commercial satcom use only. Specifications are subject to change without prior notice. Products are CE and RoHS compliant. Declaration of Conformity is available on request.



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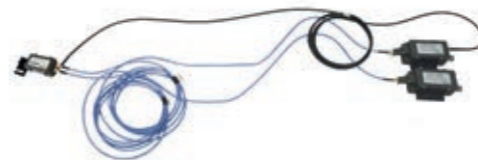


**Connector A**  
 N (female) 50 Ω IF out, power input, external reference  
 Types available: F (female) 75 Ω or SMA (female) 50 Ω

**Optional**  
**Connector B** M8 (RS485, 4 pin, A-key coded) for Alarm, M&C  
**Connector C** SMA (f) for separate external reference and/or power input.



Examples of connectors illustrated



Example of a Dual System