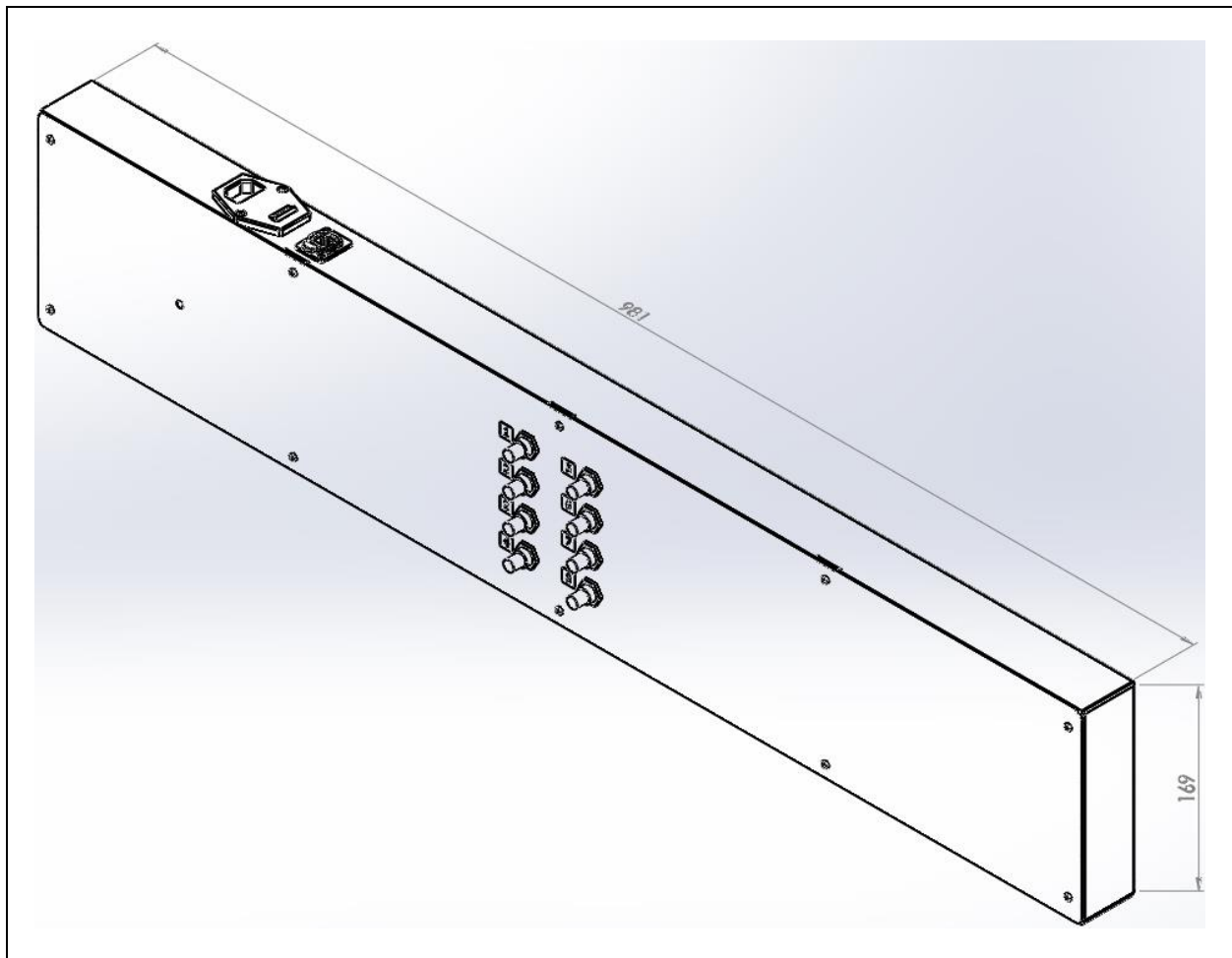


smartShelf™ Control Box (Model: BLD000010-000)

Installation and starting up

Thank you for deciding to purchase the smartShelf™ Control Box


The smartShelf™ Control Box is a device for contactless data exchange with common Transponder according ISO 15693. To this it requires an external Antenna (smartShelf Antenna). The connection to a computer or other equipment is carried out via the LAN interface.



Technical Data




Housing Weight Supply voltage Power consumption Interface Temperature range <ul style="list-style-type: none"> • Operation • Storage Relative air humidity Antenna Operating frequency RF – transmitting power	Mild Steel 5KG 100-240VAC, 50-60Hz 1.6A LAN -25°C to +55°C / -13°F to +131°F -25°C to +85°C / -13°F to +185°F 5-95 % (non-condensing) External (50 Ω ± 15 Ω < 15°) 13,56 MHz 5 W ± 1 dB
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Product Label


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smartShelf™ Control Box


Model: BLD000010-000
Input: 100-240VAC, 50-60Hz, 1.6A
FCC ID: RUVSMARTSHELF IC: 22443-SMARTSHELF

FUSE RATING = 5A 20X5MM SLOWBLOW GLASS FUSE
CAUTION: DOUBLE POLE/NEUTRAL FUSING - ATTENTION: DOUBLE POLE/FUSIBLE SUR LE NEUTER

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:
(1) this device may not cause harmful interference, and
(2) this device must accept any interference received, including interference that may cause undesired operation

Made in UK

Serial No: XXXX XXXX 

Important Note!

If you do not follow these instructions the device hardware can be damaged irreparable.

- * Use this device only with a connected and tuned 50 Ω ± 15 Ω antenna! *
- * Note that any metal parts around the antenna can detune the antenna! *

Notice for USA and Canada

FCC ID: RUVSMARTSHELF

IC: 22443-SMARTSHELF

This device complies with Part 15 of the FCC Rules and with RSS-210 of ISED Canada

Operation is subject to the following two conditions:

- (1) this device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Unauthorized modifications may void the authority granted under Federal communications Commission Rules permitting the operation of this device.

This equipment has been tested and found to comply with the limits for a Class A digital device, pursuant to Part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference when the equipment is operated in a commercial environment. This equipment generates, uses, and can radiate radio frequency energy and, if not installed and used in accordance with the instruction manual, may cause harmful interference to radio communications. Operation of this equipment in a residential area is likely to cause harmful interference in which case the user will be required to correct the interference at his own expense.

This device contains licence-exempt transmitter(s)/receiver(s) that comply with Innovation, Science and Economic Development Canada's licence-exempt RSS(s). Operation is subject to the following two conditions:

1. This device may not cause interference.
2. This device must accept any interference, including interference that may cause undesired operation of the device.

L'émetteur/récepteur exempt de licence contenu dans le présent appareil est conforme aux CNR d'Innovation, Sciences et Développement économique Canada applicables aux appareils radio exempts de licence. L'exploitation est autorisée aux deux conditions suivantes:

1. L'appareil ne doit pas produire de brouillage;
2. L'appareil doit accepter tout brouillage radioélectrique subi, même si le brouillage est susceptible d'en compromettre le fonctionnement.

Warning: Any changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Safety Instructions

- The device may only be used for the intended purpose designed by for the manufacturer.
- The operation manual should always be conveniently kept available for each user.
- Unauthorized changes and the use of spare parts and additional devices which have not been sold or recommended by the manufacturer may cause fire, electric shocks or injuries. Such unauthorized measures shall exclude any liability by the manufacturer.
- The liability-prescriptions of the manufacturer in the issue valid at the time of purchase are valid for the device. The manufacturer shall not be held legally responsible for inaccuracies, errors, or omissions in the manual or automatically set parameters for a device or for an incorrect application of a device.
- Repairs may only be executed by the manufacturer.
- Installation, operation, and maintenance procedures should only be carried out by qualified personnel.
- Use of the device and its installation must be in accordance with national legal requirements and local electrical codes.
- When working on devices the valid safety regulations must be observed.
- Special advice for carriers of cardiac pacemakers: Although this device doesn't exceed the valid limits for electromagnetic fields you should keep a minimum distance of 25 cm between the device and your cardiac pacemaker and not stay in an immediate proximity of the device respective the antenna for some time.