A photograph of two red service boxes mounted on a wall. Each box has a small black screen at the top and several horizontal slots below. The image is overlaid with a large red geometric shape that partially obscures the boxes. The background shows a building facade with a window and a stone wall.

SERVICEBOX BASIC

Data sheet

Version 06.25

Valid Version 06.25

Original Data sheet

LockTec GmbH

Johann-Georg-Herzog-Straße 19
96369 Weissenbrunn - Hummendorf
Germany

Phone: +49 (0) 9261 - 6075-90
Fax: +49 (0) 9261 - 6075-10
Website: www.locktec.com
Email: info@locktec.com

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1. Servicebox Basic - Description

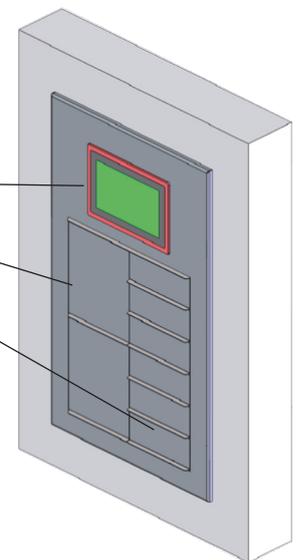
Servicebox Basic is the smart, small solution for the unattended handover of goods. The state-of-the-art technology combined with the modern design and the smart software enables customer-friendly, fast and secure 24/7 "click & collect" operation without the need of additional staff.

The locker system is designed for wall mounting indoors and protected outdoors. The goods are delivered to the lockers through the rear door of the locker system.

The Servicebox Basic is available in two variations. The eight compartment version offers six small and two large compartments. The twelve compartment version offers twelve small compartments.

Visible part for the customer - Front view - normally accessible from outside (protected outdoor area)

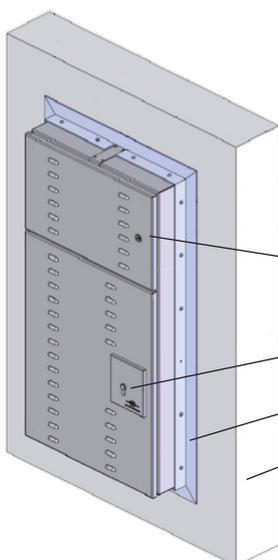
- 10" Touchscreen -
- Locker size L - Inner dimensions (W/H/D): 150mm/274mm/250mm -
- Locker size S - Inner dimensions (W/H/D): 150mm/90mm/250mm -



Servicebox Basic front view

Invisible part for the customer - rear view - normally accessible from inside (interior)

- Electronics door - back of locker system
- Door to the compartments with cylinder lock - back of locker system
- Mounting frame
- On-site wall



Servicebox Basic rear view

2. Servicebox Basic - Control unit



Control unit

Installation	Integrated into the locker system
Mode of operation	The touchscreen allows you to operate the menus, retrieve information, and enter the pickup code.
Features	10" Touchscreen Monitor. Industrial PC (LS-PC) developed by LockTec.
Optional features	Version with 12 locker compartments size S Version with 8 locker compartments 6 x size S and 2 x size L

Touchscreen Monitor (Standard)*

Display	10.1" Touch Display
Resolution	1280 x 800 x 60Hz
Reaction time	25ms
Colors	16.7M
Operating temperature	0 to +40°C
Vandalism protection	Break tested Touch screen UL-60950 and IK-07 audited

*At LockTec's option depending on availability.

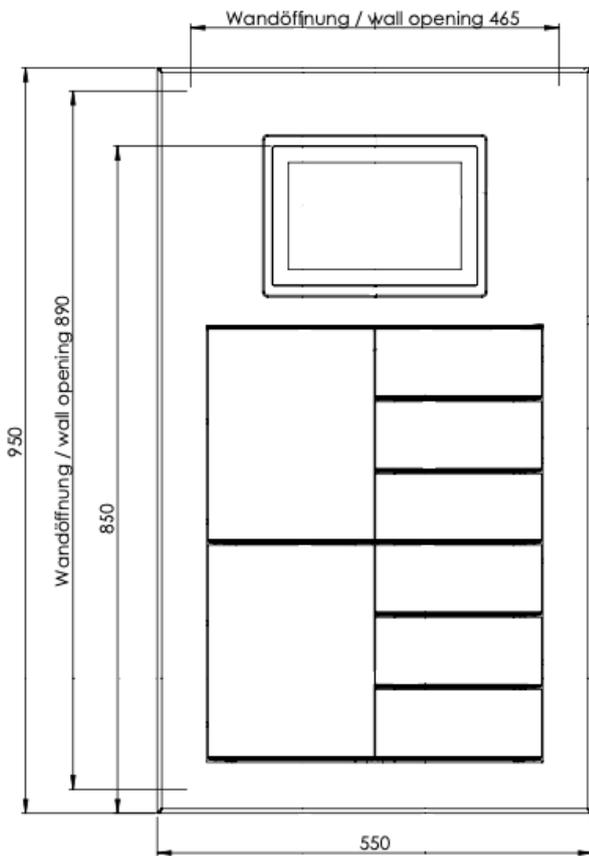
Touchscreen Monitor (Optional)*

Display	10.1" Dust-proof Touch Display
Resolution	1280 x 800
Contrast	800 : 1
Colors	16.7M
Operating temperature	-20 to +60°C
Vandalism protection	Break tested Touch screen UL-60950 and IK-07 audited

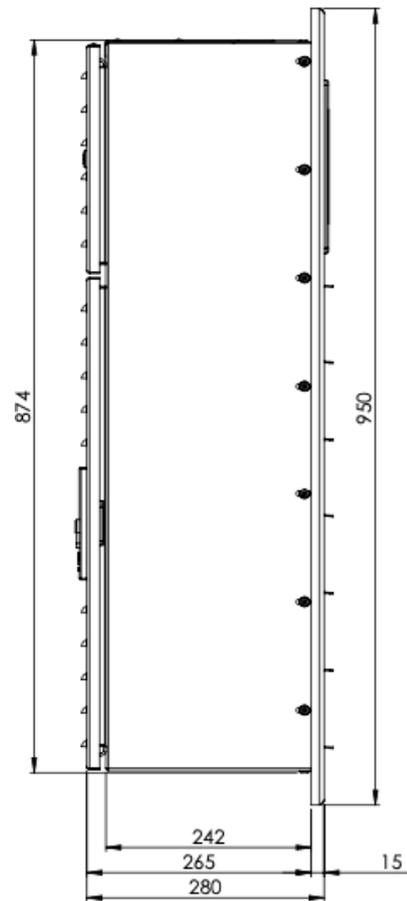
*At LockTec's option depending on availability.

3. Servicebox Basic - Dimensions

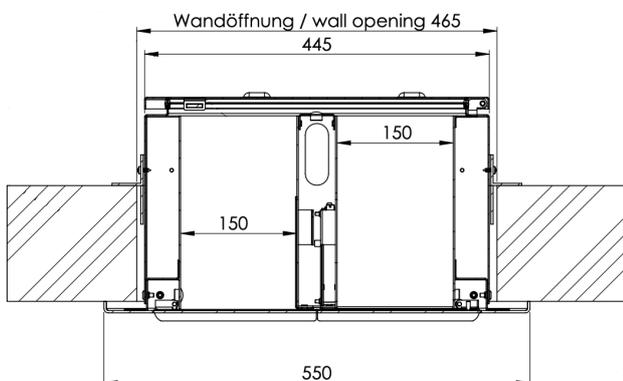
Front view



Side view



Top view



Dimensions of the on-site wall opening

Width	465mm
Hight	890mm
Wall thickness	50mm to 200mm

4. Servicebox Basic - Material overview

Material Servicebox Basic

Faceplate:	Stainless steel horizontal brushed
Housing of module:	Stainless steel RAL 9006 white aluminium micro
Body of module:	Stainless steel raw
Backdoor (for delivery of goods):	Stainless steel horizontal brushed
Mounting frame:	Stainless steel RAL 9006 white aluminium micro
Locker doors:	Stainless steel horizontal brushed
Locker base:	Stainless steel

5. Servicebox Basic - Optional features

Optionale features

- Sunlight readable monitor
- Software extension SMS module for autom. sending of SMS notifications

6. Servicebox Basic - Installation location



There are three different installation variations for locker systems.

1. Indoor installation:

Rooms in which the locker system is protected from weather influences, salt, direct sunlight and other external influences as well as extreme temperature fluctuations. Room temperature approximately 21°C.

2. Protected outdoor installation:

Protected outdoor locations ensure that the locker system is protected from splash water, rain, snow, hail, salt, direct sunlight on the display, etc. A roofing is recommended.

3. Unprotected outdoor installation:

Here the locker system is installed in an outdoor location without any protection from rain, snow, hail, driving rain, salt as well as other external influences such as splash water, salt, direct sunlight and so on. Special measures are required for the production processes of the locker system. Suitable materials and more expensive components must be used. When it comes to corrosion protection the installation location must be divided into different classes. These classes determine the scope of the corrosion protection measures. For example, a locker system manufactured for a coastal installation has a considerable higher degree of corrosion protection than a locker system manufactured for an inland area installation because of the salt content of the air.

ADDITIONAL MEASURES FOR OUTDOOR INSTALLATION:

Different criteria are to be considered for the outdoor installation of the locker system:

- Avoid direct sunlight
- Roofing, wind and rain protection are recommended (we offer complete solutions)
- It should be avoided that goods and customers get wet
- It must be avoided that water gets into the lockers
- Regular cleaning of the locker system is recommended
- Avoid extreme weather and temperature conditions

Please discuss your climatic conditions with us in order to find the best solution for you.

Attention: Interference due to EMC level violations or currents (bursts) in the power supply at the installation location may have negative effects on the electronic of locker systems. Such interference can be caused by e.g. non-EMC-compliant elevators, tanning salons, electric distributors, air conditioning and telecommunication technology located in close proximity of the installation location. These interferences can be located, e.g. one floor above or below of the installation location or can be separated by a wall. Additional technical measures are necessary to solve these issues, which would result in additional costs. Please ensure that the installation location is free of such interferences.

7. Servicebox Basic - Material manufacturing process



Powder coating

Our powder coating partners are all certified in accordance with the quality mark of the Quality Management Community (QIB) or ISO 9001. Therefore, we can offer various powder coatings, life expectancies and corrosivity categories (derived from DIN 55634/ ISO 12944).

NOTE! **The life expectancy does not correspond to the warranty period!**

Type of surface characteristics

The locker systems are based on the standard level and may show various visual features. The surface characteristics are listed in the QIB-leaflet 3-1 „Visual assessment of coated, decorative surfaces“. The most significant points are shown below.

Crater, Bubbles and Inclusions

max. 30 pcs. $\leq 1,0 \text{ mm}^2$ per m^2 ; max. 8 pcs. $\leq 1,0 \text{ mm}^2$ per 100 cm^2
max. 5 pcs. $\leq 1,5 \text{ mm}^2$ per m^2 ; max. 3 pcs. $\leq 1,5 \text{ mm}^2$ per 100 cm^2

Paint tears and Accumulations

Approved and partially max. triple layer thickness allowed.

Gloss differences

Approved if within the following tolerances.

For metrological evaluations of industrial coatings by reflection measurement according to DIN EN ISO 2813 (60° measurement geometry) the following tolerance limits usually apply for:

- Glossy surfaces: 71 to 100 E (± 10 E)
- Silk-glossy surfaces: 31 to 70 E (± 7 E)
- Matt surfaces: 0 to 30 E (± 5 E)

Color deviation

Approved, if not to noticeable. Reference lighting is the diffuse daylight (view distance in accordance with explanations must be respected).

A metrological evaluation is based on DIN 6175 Table 1 with the tolerance limit of a Maximum of 1.5 times the permitted color deviation. The numerical value of the metamerism index (according to DIN 6172) of subsequent deliveries must not exceed the numerical value of the color distance ΔE_{ab} . For different delivery batches of an order the color shades that may occur should not exceed 2 times the value of the tolerances specified in DIN 6175 Table 1. If components of several paint batches are joined together, the above mentioned 2-fold tolerance may be doubled if joints, mitres, corrugations, ornamental strips, cavities or the like are present.

Attention: **Color deviations and discolorations are no base for warranty claims!**

Sanding marks

Sanding marks of max. roughness of $R_{max} < 9 \text{ }\mu\text{m}$ (equals abrasive paper with grain size 180 used with an extender orbital sander) are normally covered by conventional powder.

Attention! In the material processing and welding methods we use, we deliberately work with visible weld seams. These do not constitute a defect.

8. Servicebox Basic - Material description



Name of material

- The addition „raw“ in the name of materials indicates that the surface of the material has not been treated. The material is in raw, untreated state. The material comply with the quality delivered by the supplier.

Color spectrum

- The standard colors range from classic RAL 5001 to RAL 9001. Of course other color variations and coatings are available at additional costs.

Material

a. Aluminium 3.3535

- EN 573-3

b. Stainless steel 1.4301

- DIN EN 10088-3

Corrosion resistance class 2 (DIN EN 1993-1-4 and general building approval Z-30.3-6)

Typical use cases:

Standard materials for all known applications for accessible constructions and components such as balustrades, railing constructions, covers, fasteners in rural and urban areas with negligible SO₂ and chlorides contamination. Components which are not exposed to rain should be cleaned at least once a year to maintain an optically appealing appearance.

c. Stainless steel 1.4404

- DIN EN 10088-3

Corrosion resistance class 3 (DIN EN 1993-1-4 and general building approval Z-30.3-6)

Typical use cases:

Standard materials for constructions with moderate exposure to chlorides e.g. de-icing Salts or maritime environment in moderate climate and/or moderate exposure to SO₂ also for constructions and components that are difficult to reach and clean and have a life expectancy of more than 50 years. In case high expectations are placed on optics a suitable surface finish needs to be put into consideration as well.

d. Stainless steel 1.4462

- DIN EN 10088-3

Corrosion resistance class 4 (DIN EN 1993-1-4 and general building approval Z-30.3-6)

Typical use cases:

Used in case of extreme exposure to chlorides, which may create highly acidic surface film together with e.g. SO₂ or chlorine gas. Higher temperatures may add to that and cause an accumulation of the mentioned substances, especially if there is insufficient irrigation or cleaning. This applies to all use cases where stress corrosion on load-carrying components may occur (swimming pool atmosphere, road tunnels).

9. Servicebox Basic - Things to know



Experience:

LockTec is pioneer for parcel locker systems with and without multicarrier concepts for first and second delivery since 2000. The fifth generation of our approved locker systems is in use worldwide.

Our locker systems are state of the art and are subject to a continuous development process for best possible user comfort.

LockTec GmbH is the founder of the concept of using locker systems for the transfer of goods.

Patent lodged in Germany 1999 for the technology of delivering parcels to an automated locker system. International patent was confirmed on December 19th, 2007.

Luggage locker system Locksafe 5.1



LockTec GmbH

Johann-Georg-Herzog-Straße 19
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Phone: +49 (0) 9261 – 6075-90
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