
Assembly and operating instructions

DOM ITT

EDV-Nr. ##### / 0 / gb / 01.09 / Version 1.0

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Software License Terms DOM ITT-Software

LICENSING AGREEMENT FOR THE DOM-ITT-SOFTWARE AND INFORMATION FOR THE USER:

THIS IS A CONTRACT BETWEEN YOU AND DOM. BY OPERATING THE DOM-ITT YOU AGREE TO ALL CONDITIONS OF THIS CONTRACT.

IF YOU DO NOT AGREE TO THE CONDITIONS OF THIS CONTRACT, YOU ARE NOT ALLOWED TO OPERATE THE DOM-ITT.

LICENSING AGREEMENT

DOM affords the licensee the simple and non-exclusive right to use the software under the following conditions.

The licensee has the right:

- to use the software only on the dedicated DOM-ITT.
- to make a copy of the software for archive and back-up purposes.
- to confer the rights according to this contract permanently, provided that the DOM-ITT and all copies of the software are given to the third party and that the recipient agrees to the conditions of the licensing agreement.

RESTRICTIONS:

- The software must not be copied, modified or transferred completely or in parts, unless the licensing agreement does allow it expressly.
- The software may only be used on the dedicated DOM-ITT.

All rights which are not expressly allowed are reserved by DOM.

SELECTION AND USAGE:

The licensee takes the full responsibility for the selection of the software in order to reach the desired objective, as well as for the installation, the utilization and the results to be reached with the software.

COPYRIGHT:

The software is the property of DOM and is protected by international copyright laws. It is forbidden to modify, decompile or disassemble the software.

EXCLUSION OF WARRANTY AND LIABILITY:

Under no circumstances DOM or its direct or indirect suppliers, will be liable for any kind of damage, e. g. direct, indirect, sympathetic or consequential damage and other financial losses caused by the usage of the software, even if DOM was informed about the possibility of such a damage.

Especially DOM and its suppliers are not responsible for costs such as lost profit, breakdown, lost business data, cost for the replacement of such data, cost for replacement software or claims of third parties and other costs.

This licensing agreement allows the licensee certain rights. The licensee may be entitled to other or further rights under local LAN, so that not all above mentioned regulations are necessarily valid or are only valid with restrictions.

Verbal or written information from DOM, its representatives or employees cannot effect any changes or additions to this guarantee, unless it is a written promise referring to this licensing agreement, signed by an authorized representative in the name of DOM.

All exclusions of guarantees and all liability restrictions are also valid when the contract has been terminated.

GENERAL:

This licensing agreement is subject to the law of the Federal Republic of Germany. If you have any questions concerning this licensing agreement or need support, please apply to the following address:

DOM Sicherheitstechnik
GmbH & Co. KG
Service Dept.
Wesseling Str. 10-16
50321 Brühl/Köln
Tel.: +49 2232 704-0
Fax: +49 2232 704-211

Microsoft Software License Terms for Windows® XP Embedded

Microsoft Software License Terms for:

Windows® XP Embedded Runtime

These license terms are an agreement between you and *DOM Sicherheitstechnik*. Please read them. They apply to the software included on this device. The software also includes any separate media on which you received the software.

The software on this device includes software licensed from Microsoft Corporation or its affiliate.

The terms also apply to any Microsoft

- Updates,
- Supplements,
- Internet-based services, and
- Support services

for this software, unless other terms accompany those items. If so, those terms apply. If you obtain updates or supplements directly from Microsoft, then Microsoft, and not *DOM Sicherheitstechnik*, licenses those to you.

As described below, using some features also operates as your consent to the transmission of certain standard computer information for Internet-based services.

By using the software, you accept these terms. If you do not accept them, do not use or copy the software. Instead, contact *DOM Sicherheitstechnik* to determine its return policy for a refund or credit.

If you comply with these license terms, you have the rights below.

1. Use Rights.

You may use the software on the device with which you acquired the software.

2. Additional Licensing Requirements and/or Use Rights.

- a. **Specific Use.** *DOM Sicherheitstechnik* designed this device for a specific use. You may only use the software for that use.
- b. **Other Software.** You may use other programs with the software as long as the other programs
 - Directly support the manufacturer's specific use for the device, or
 - Provide system utilities, resource management, or anti-virus or similar protection.

Software that provides consumer or business tasks or processes may not be run on the device. This includes email, word processing, spreadsheet, database, scheduling and personal finance software. The device may use terminal services protocols to access such software running on a server.

c. Device Connections.

- You may use terminal services protocols to connect the device to another device running business task or processes software such as email, word processing, scheduling or spreadsheets.

- You may allow up to ten other devices to access the software to use
 - File Services,
 - Print Services,
 - Internet Information Services, and
 - Internet Connection Sharing and Telephony Services.

The ten connection limit applies to devices that access the software indirectly through “multiplexing” or other software or hardware that pools connections. You may use unlimited inbound connections at any time via TCP/IP.

3. Scope of License. The software is licensed, not sold. This agreement only gives you some rights to use the software. *DOM Sicherheitstechnik* and Microsoft reserve all other rights. Unless applicable law gives you more rights despite this limitation, you may use the software only as expressly permitted in this agreement. In doing so, you must comply with any technical limitations in the software that allow you to use it only in certain ways. For more information, see the software documentation or contact *DOM Sicherheitstechnik*. Except and only to the extent permitted by applicable law despite these limitations, you may not:

- Work around any technical limitations in the software;
- Reverse engineer, decompile or disassemble the software;
- Make more copies of the software than specified in this agreement;
- Publish the software for others to copy;
- Rent, lease or lend the software; or
- Use the software for commercial software hosting services.

Except as expressly provided in this agreement, rights to access the software on this device do not give you any right to implement Microsoft patents or other Microsoft intellectual property in software or devices that access this device.

You may use remote access technologies in the software such as Remote Desktop to access the software remotely from another device. You are responsible for obtaining any licenses required for use of these protocols to access other software.

- Remote Boot Feature. If the *DOM Sicherheitstechnik* enabled the device Remote Boot feature of the software, you may
 - (i) use the Remote Boot Installation Service (RBIS) tool only to install one copy of the software on your server and to deploy the software on licensed devices as part of the Remote Boot process; and
 - (ii) use the Remote Boot Installation Service only for deployment of the software to devices as part of the Remote Boot process; and
 - (iii) download the software to licensed devices and use it on them.

For more information, please refer to the device documentation or contact *DOM Sicherheitstechnik*.

- Internet-Based Services. Microsoft provides Internet-based services with the software. Microsoft may change or cancel them at any time.

a. Consent for Internet-Based Services. The software features described below connect to Microsoft or service provider computer systems over the Internet. In some cases, you will not receive a separate notice when they connect. You may switch off these features or not use them. For more information about these features, visit

<http://www.microsoft.com/windowsxp/downloads/updates/sp2/docs/privacy.mspx>.

By using these features, you consent to the transmission of this information. Microsoft does not use the information to identify or contact you.

b. **Computer Information.** The following features use Internet protocols, which send to the appropriate systems computer information, such as your Internet protocol address, the type of operating system, browser and name and version of the software you are using, and the language code of the device where you installed the software. Microsoft uses this information to make the Internet-based services available to you.

- **Web Content Features.** Features in the software can retrieve related content from Microsoft and provide it to you. To provide the content, these features send to Microsoft the type of operating system, name and version of the software you are using, type of browser and language code of the device where the software was installed. Examples of these features are clip art, templates, online training, online assistance and Appshelp. These features only operate when you activate them. You may choose to switch them off or not use them.
- **Digital Certificates.** The software uses digital certificates. These digital certificates confirm the identity of Internet users sending X.509 standard encrypted information. The software retrieves certificates and updates certificate revocation lists. These security features operate only when you use the Internet.
- **Auto Root Update.** The Auto Root Update feature updates the list of trusted certificate authorities. You can switch off the Auto Root Update feature.
- **Windows Media Player.** When you use Windows Media Player, it checks with Microsoft for
 - Compatible online music services in your region;
 - New versions of the player; and
 - Codecs if your device does not have the correct ones for playing content. You can switch off this feature. For more information, go to:
<http://microsoft.com/windows/windowsmedia/mp10/privacy.aspx>.
- **Windows Media Digital Rights Management.** Content owners use Windows Media digital rights management technology (WMDRM) to protect their intellectual property, including copyrights. This software and third party software use WMDRM to play and copy WMDRM-protected content. If the software fails to protect the content, content owners may ask Microsoft to revoke the software's ability to use WMDRM to play or copy protected content. Revocation does not affect other content. When you download licenses for protected content, you agree that Microsoft may include a revocation list with the licenses. Content owners may require you to upgrade WMDRM to access their content. Microsoft software that includes WMDRM will ask for your consent prior to the upgrade. If you decline an upgrade, you will not be able to access content that requires the upgrade. You may switch off WMDRM features that access the Internet. When these features are off, you can still play content for which you have a valid license.

c. **Misuse of Internet-based Services.** You may not use these services in any way that could harm them or impair anyone else's use of them. You may not use the services to try to gain unauthorized access to any service, data, account or network by any means.

4. **Windows Update Agent (also known as Software Update Services).** The software on the device includes Windows Update Agent ("WUA") functionality that may enable your device to connect to and access updates ("Windows Updates") from a server installed with the required server component. Without limiting any other disclaimer in this Microsoft Software License Terms or any EULA accompanying a Windows Update, you acknowledge and agree that no warranty is provided by MS, Microsoft Corporation or their affiliates with respect to any Windows Update that you install or attempt to install on your device.

5. **Product Support.** Contact *DOM Sicherheitstechnik* for support options. Refer to the support number provided with the device.
6. **Backup Copy.** You may make one backup copy of the software. You may use it only to reinstall the software on the device.
7. **Proof Of License.** If you acquired the software on the device, or on a disc or other media, a genuine Certificate of Authenticity label with a genuine copy of the software identifies licensed software. To be valid, this label must be affixed to the device, or included on or in *DOM Sicherheitstechnik*'s software packaging. If you receive the label separately, it is not valid. You should keep the label on the device or packaging to prove that you are licensed to use the software. To identify genuine Microsoft software, see <http://www.howtotell.com>.
8. **Transfer to a Third Party.** You may transfer the software only with the device, the Certificate of Authenticity label, and these license terms directly to a third party. Before the transfer, that party must agree that these license terms apply to the transfer and use of the software. You may not retain any copies of the software including the backup copy.
9. **Not Fault Tolerant. The software is not fault tolerant. *DOM Sicherheitstechnik* installed the software on the device and is responsible for how it operates on the device.**
10. **Restricted Use.** The Microsoft software was designed for systems that do not require fail-safe performance. You may not use the Microsoft software in any device or system in which a malfunction of the software would result in foreseeable risk of injury or death to any person. This includes operation of nuclear facilities, aircraft navigation or communication systems and air traffic control.
11. **No Warranties for the Software. The software is provided "as is". You bear all risks of using it. Microsoft gives no express warranties, guarantees or conditions. Any warranties you receive regarding the device or the software do not originate from, and are not binding on, Microsoft or its affiliates. When allowed by your local laws, *DOM Sicherheitstechnik* and Microsoft exclude implied warranties of merchantability, fitness for a particular purpose and non-infringement.**
12. **Liability Limitations. You can recover from Microsoft and its affiliates only direct damages up to two hundred fifty U.S. Dollars (U.S. \$250.00). You cannot recover any other damages, including consequential, lost profits, special, indirect or incidental damages.**

This limitation applies to:

 - Anything related to the software, services, content (including code) on third party internet sites, or third party programs; and
 - Claims for breach of contract, breach of warranty, guarantee or condition, strict liability, negligence, or other tort to the extent permitted by applicable law.

It also applies even if Microsoft should have been aware of the possibility of the damages. The above limitation may not apply to you because your country may not allow the exclusion or limitation of incidental, consequential or other damages.
13. **Export Restrictions.** The software is subject to United States export laws and regulations. You must comply with all domestic and international export laws and regulations that apply to the software. These laws include restrictions on destinations, end users and end use. For additional information, see www.microsoft.com/exporting.

Scope of delivery

DOM ITT

Housing for wall mounting with 8.4" display and integrated reader

Pre-installed and activated operating system "Windows XP Embedded"

Microsoft Software License Terms for "Windows® XP Embedded"

Microsoft Software License Terms for DOM ITT-Software

Assembly kit including: 3 rubber plugs for cable ducts, 4 rubber washers, 4 dowels, 4 screws, 3 cable retainers

2 keys for each DOM lock cylinder

These assembly and operating instructions



Note! For the online operation of DOM ITT, you need the Client Server Software 10, the ELS Software Version 4.2 R3 or higher and an intelligent transponder module. These components can be directly supplied by DOM.

Notes concerning CE marking

DOM ITT meets the safety requirements defined in the guidelines of the Council of the European Union concerning the approximation of legal provisions of the member states on electromagnetic compatibility (89/336/EWG und 93/97/EWG).

According to the above mentioned guidelines, the declaration of conformity is available for the responsible authorities at:

DOM Sicherheitstechnik

GmbH & Co. KG

Postfach 1129

D-50301 Brühl/Köln

DOM ITT meets these requirements provided that you observe the assembly guidelines which are detailed in this manual during installation and operation.

Product description

DOM Sicherheitstechnik introduced an intelligent transponder concept where the access authorisation of the user is not stored on the terminal equipment but on the transponders of the user. This allows for the central administration of the system by the user. In order to minimise the security hole resulting from transponder losses, the authorisations are only temporarily valid, for example for one day.

The DOM ITT (intelligent transponder terminal) can be installed at central points of the object (main entrance, entrance hall, etc.) where the user daily updates its authorisations. This DOM ITT is connected with the central data base through TCP/IP so that the current authorisations are always available at the DOM ITT and can be written on the transponders.

The DOM ITT is intended for on-wall mounting. The wall-mounted housing includes PC hardware, a power pack as well as all terminal clamps. It is screwed onto the wall or the assembly plate at four screwing points with rubber gaskets. The hinged cap housing is mounted on the upper edge of the wall-mounted housing and is locked with a DOM industrial lock cylinder. Inside the cap housing, the TFT touch panel and the integrated DOM reader are located.

For your safety

Always comply with the instructions and security statements.

In this assembly and operating instructions, several sections are marked by graphical symbols. Please memorise the graphical symbols and their meanings:



Caution! This symbol marks a danger note and/or refers to an action that may cause damage to the DOM ITT or other objects .



Note! This symbol refers to useful information on assembly or operation.

Important information



Caution! Assembly, commissioning and maintenance of the device may only be accomplished by qualified personnel. These persons must be familiar with the warnings and information included in this manual. Please read these instructions completely and carefully before assembly and putting into operation. Follow the instructions step by step. The manufacturer accepts no liability for damage resulting from an inexpert assembly or operation.



Caution! This device must not be used in any other way than specified in this manual.



Caution! Qualified personnel in the sense of this manual are persons who are familiar with the installation, assembly, commissioning and operation of this device and who are qualified according to their field of activities, e.g.

- training and briefing or authorisation concerning the activation and deactivation, the earthing and the labelling of electric circuits and devices or systems according to the current standards of safety technology.
- training and briefing concerning the maintenance and use of appropriate safety equipment according to the current standards of safety technology.



Caution! Each time before component parts are changed, the device must be de-energised.



Caution! Protect the device against humidity. Under no circumstances may objects or liquids get into the device.



Caution! Do not operate the device in case of temperatures which are higher or lower than indicated in the technical information sheet.



Caution! In case of a defect fuse, you must in any case apply a new fuse of the same type. Otherwise you risk fire (see chapter "Technical Data").



Caution! If there are visible damages at the housing, please return the complete device to DOM for repair. Do not try to repair this device yourself. Please directly contact DOM in case of possible repairs. Warranty repairs must be directly accomplished by DOM. Any unauthorised repair may result in the loss of warranty.



Caution! Material damage caused through incorrect storage. If you store the DOM ITT for a longer period of time before assembly, store all components dry and dust-free in the original packaging.



Caution! The DOM ITT must not be used in explosive areas.

Assembly



Caution! Adhere to the VDE-regulations [association of German electrotechnicians] and the regulations of your local energy supply company.



Caution! Assembly may only be carried out at a place which is free of dust, soot, metal chips, corroding or metallic vapour, gases or liquids. Please avoid the condensation of humidity. If condensation cannot be avoided when the device is out of operation, you must make sure to remove the condensate before commissioning. It can possibly be useful to provide an appropriate heater or an air condition, if necessary, at the place of installation.



Caution! Before connecting DOM ITT to the mains, you must check whether the standard voltage of the device complies with mains voltage.



Caution! The device must be correctly earthed by means of the marked clamp(s).



Caution! If the device is mounted on a metal plate, this metal plate must be correctly earthed as well.



Caution! The device may only be mounted on the base plate using the existing mounting holes.



Caution! In case of any work carried out at the device, the mounted fuse must be removed in order to make sure that the device is de-energised.



Caution! The device contains electrostatic sensitive components. Electrostatic discharge caused by human bodies or the like must therefore be absolutely avoided, e.g. by touching earthed metal parts (water pipes, etc.) in advance. This must be especially observed before opening the device.



Caution! Any opening in the housing which is not used must always be covered with a dummy panel.



Caution! Connected cables must not be exposed to tensile load.

Housing

Proceed in the described order and pay attention to the notes and illustrations.

1. Install all connecting cables first. The generally applicable regulations (VDE) have to be complied with for the installation.
2. Make sure that the device is de-energised before you connect the supply lines to the DOM ITT.



Note! Make sure that you consider the projecting length of the front panel as well as the keyhole-shaped opening at the rear side before you drill the mounting holes. The upper projecting length is 25mm, the lateral projecting length is 10mm to both sides and the lower projecting length is 10mm.

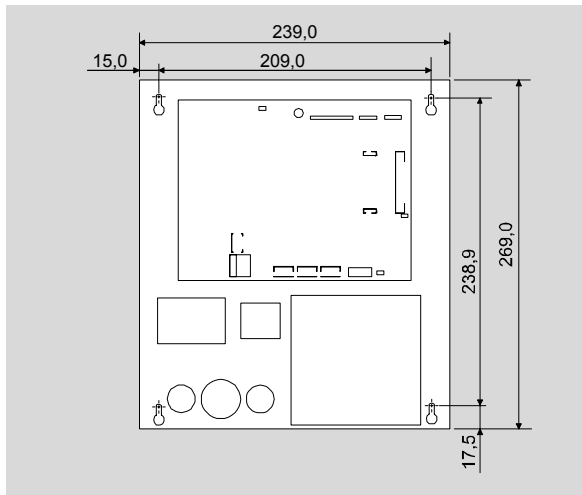


Fig. 1: Rückwand

3. Drill the appropriate holes (drilling depth: 30mm, \varnothing 5mm) according to the drawing and place the dowels (S5).

4. Provide the screws with the corresponding gaskets and screw them into the dowel some turns of a thread.
5. Open the DOM ITT and fix the front panel using the inside positioner.

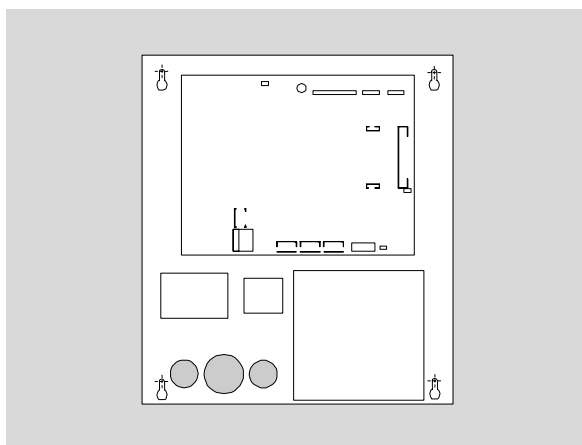


Fig. 2: Cable feedthrough in the rear wall

6. If you want to connect the cables through the rear wall, you must feed the cables through the rubber plugs in the rear wall.

7. Hinge the DOM ITT and adjust it horizontally.
8. The screws must be tightened hand-tight.
9. If you want to connect the cables through the bottom side, you must remove the screwing of the required feedthrough at the bottom side and insert the appropriate rubber plugs.
10. Now feed the cables through the rubber plugs at the bottom side.

Voltage supply

The mains input voltage of the device must be within the following ranges:

Range 1: AC	90-250V	47-63Hz	Power consumption max. 1,0A
Range 2: DC	125-250V		Power consumption max. 1,5A



Note! The power supply unit switches automatically between these ranges.

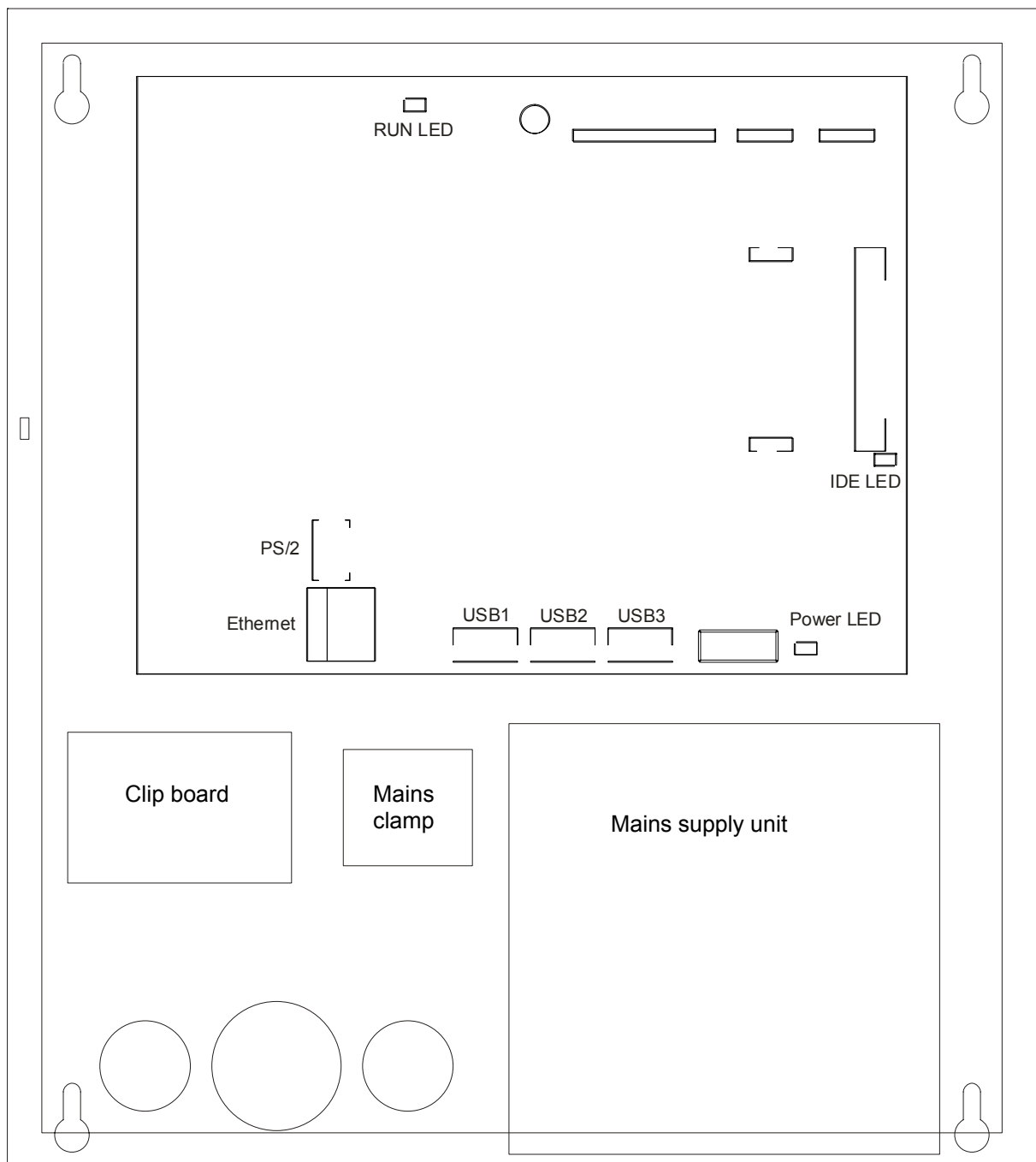


Caution! The device must not in any case be operated with any other mains voltages than specified above! The protective conductor at "PE" must not be left out.

Short symbol	Colour	Description
L	Black or brown	Live conductor (phase)
N	Blue	Neutral conductor (zero conductor)
PE	Green-yellow	Protective conductor

11. After having checked mains voltage, you must connect the supply line to the mains at the clamp which is marked with „L - N- PE”.
12. For strain relief, fix the supply line to the appropriate plastic retainer in the housing using a cable clip.

Peripheral devices



Clip board

The reader unit of DOM ITT provides two inputs and one output for the control of the peripheral devices. These switching contacts are freely available for the user on the strip terminal.

The addressing of actuators (door opener etc.) by the DOM ITT is made via a potential-free relay change-over contact. The connections are labeled NO, NC and C.

A potential-free normally closed contact (C-NC) and a potential-free normally open contact (C-NO) are provided.

You can connect potential-free switches or pushbuttons to the inputs.

These inputs must be used in accordance with the given SPS configuration. Ex works, standard configuration is set. In this case, the input 1I is the door contact (normally closed contact) and the input 2I is the release key (normally open contact).

Short symbol	Description	Function
2G	Input 2 GND	2 Inputs e.g. door contact or release key
2I	Input 2	
1G	Input 1 GND	
1I	Input 1	
NC	Normally closed contact	Output (Actuator) change-over contact
C	Common	
NO	Normally open contact	



Note! Regarding access control systems you have to use special door openers with free wheeling diode.



Caution! When selecting and connecting external components (actuators, etc.), comply with the values for the voltage sustaining capability and the current carrying capacity of the input and/or output of DOM ITT stated in the technical datasheet of these instructions. The manufacturer accepts no liability for damage caused through the use of unsuitable external components.

13. Connect the desired cables.

Keyboard and mouse

For service purposes, you can connect a keyboard as well as a mouse to the DOM ITT at the integrated PS/2 jack or using USB.

USB

The DOM ITT is equipped with 3 USB interfaces. These interfaces correspond to the USB specification 1.1 and can be “hot plugged”, i.e. they can be connected or disconnected during operation. Only cables intended for USB may be used.

Ethernet

The RJ45 jack, which is designated as 'Ethernet', serves for the connection of the device to the Ethernet. The interface both supports 10Base-T networks and 100Base-TX networks. Therefore it is absolutely necessary to use a Cat.5 patch cable for wiring.

14. Connect the DOM ITT to your network.

LED

The DOM ITT is equipped with three LEDs which indicate the current operating status.

Power-LED: If the voltage supply from the mains supply unit is error-free, the yellow LED flashes.

RUN-LED: If the CPU operates correctly, a green LED flashes.

IDE-LED: In case of access to the CF card, the yellow LED flashes.

Fuse

For fire protection purposes, there is a micro-fuse in the connection clipboard of the device. If this fuse must be replaced, please only use type 2A/250V delay action fuses as replacement.

Keys

The DOM ITT must only be operated when locked. For safety reasons, the supplied keys must be handed over to the specified persons.



Caution! Material damage as a result of removed connecting cables. Please make sure that the cables are carefully connected to the clamps without tension.



Caution! Before completing the assembly, you must again check all connections. System components may get damaged through an incorrect wiring.

15. Provide voltage supply.

16. Lock the front panel.

Putting into operation

After having connected all cables in a workmanlike manner, you can put DOM ITT into operation.



Caution! In order to start the DOM ITT, it must be connected to a functional network.

Touch the touch panel only with an edgeless object. Never touch the display with a pointed object.

Proceed with the following steps.

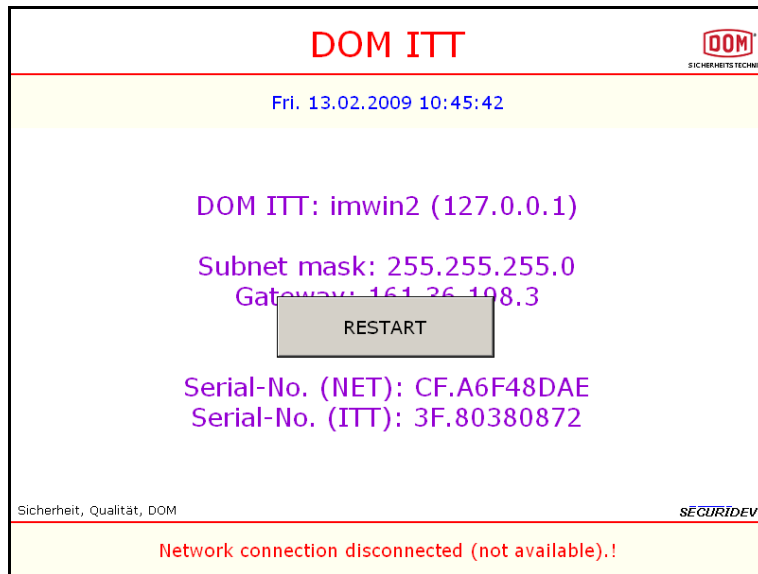
1. Remove the removable protection foil from the front panel.
2. Provide voltage supply.

Wait until the following dialog window appears on the touch panel of the DOM ITT:



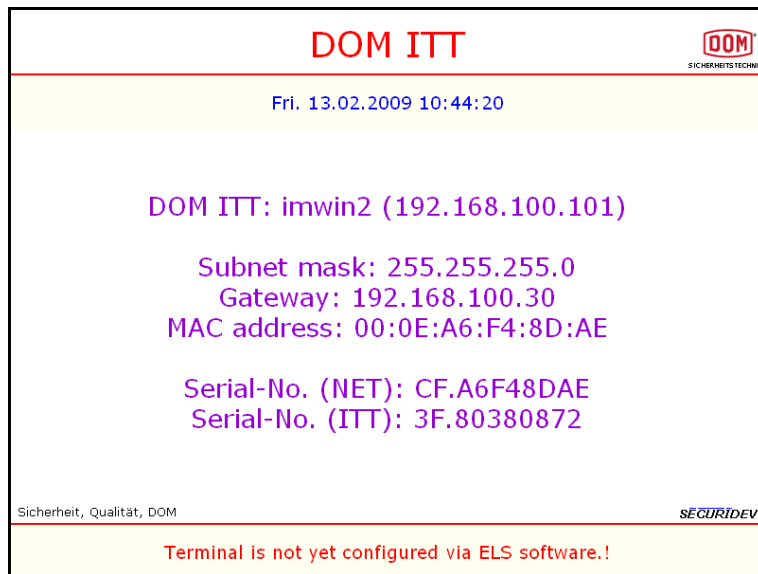
3. Select your desired national language and press **OK**.

If you have not yet connected the DOM ITT to your network, the following display will appear:



Connect your DOM ITT to your network and press **Restart**.

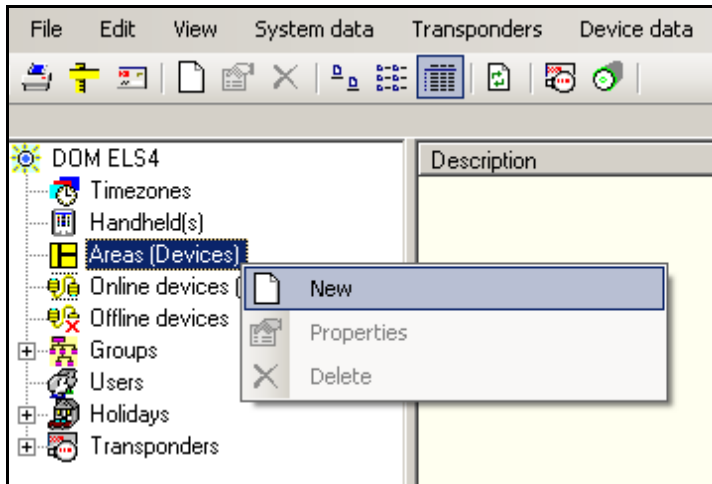
The display switches to the next view.



This display illustrates all required data for the configuration of your DOM ITT in the ELS software.

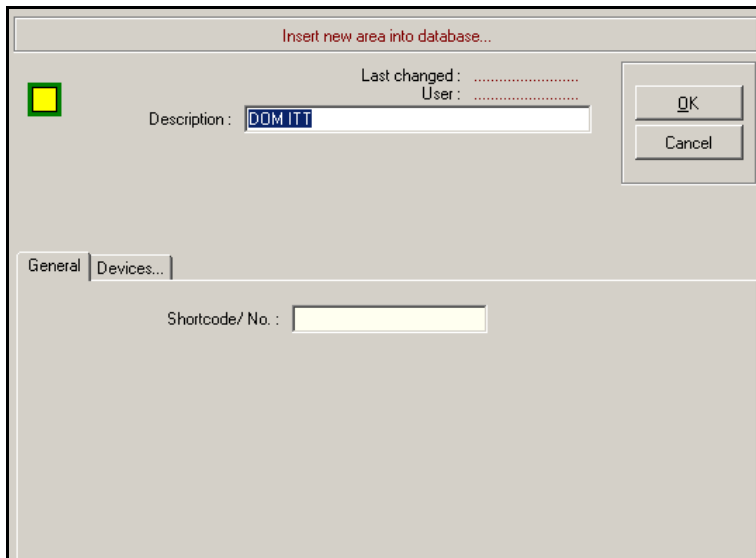
4. Now you must start the ELS software on your PC.

First create an Area or select the Area which is present in your DOM ITT.



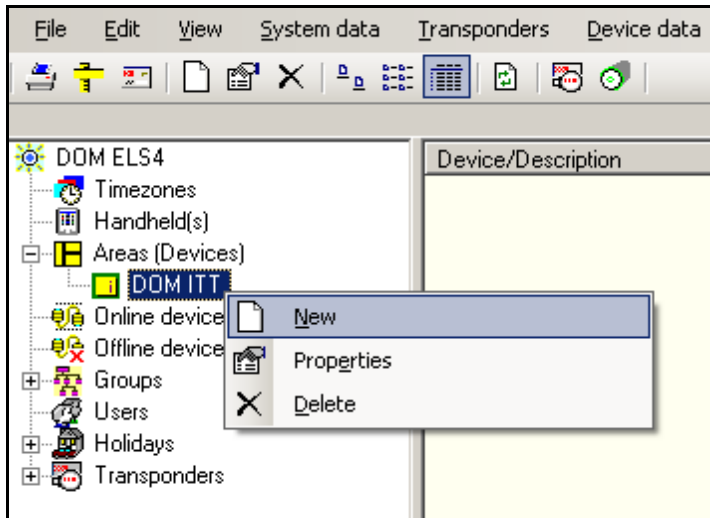
5. Click with the right mouse button on **Area (Devices)** and select the sub-point **New**.

The following dialogue field opens.



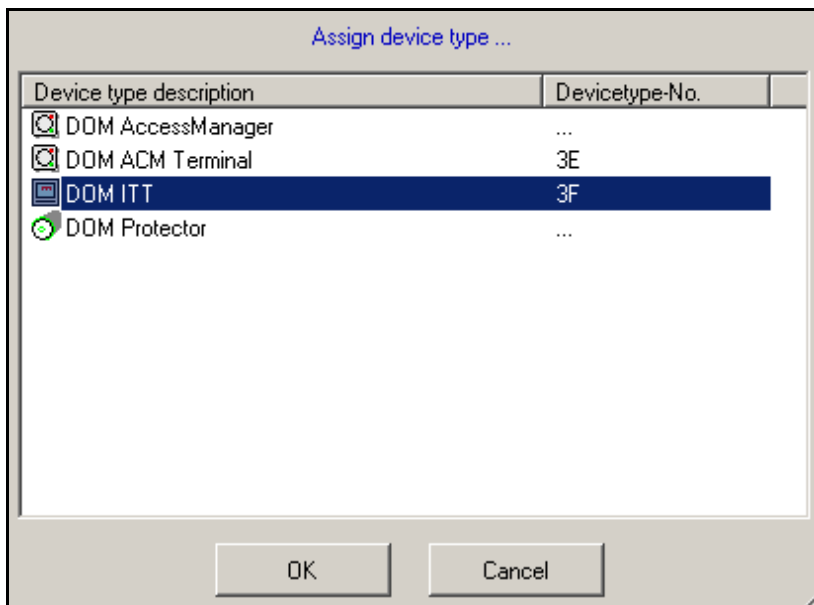
6. Enter a description (here: DOM ITT) and confirm with **OK**.

Now create the DOM ITT in the ELS software.



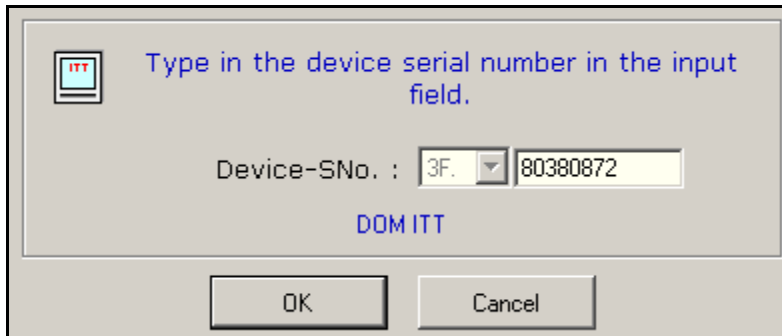
7. Right click on the created or selected **area (here: DOM ITT)** and select **New** from the submenu.

The dialogue window **Insert new device...** appears.



8. Select the DOM ITT and confirm with **OK**.

The dialogue window **Devices-Module (DOM ITT)** appears.



Type in the device serial number in the input field.

Device-SNo. : 3F. 80380872

DOM ITT

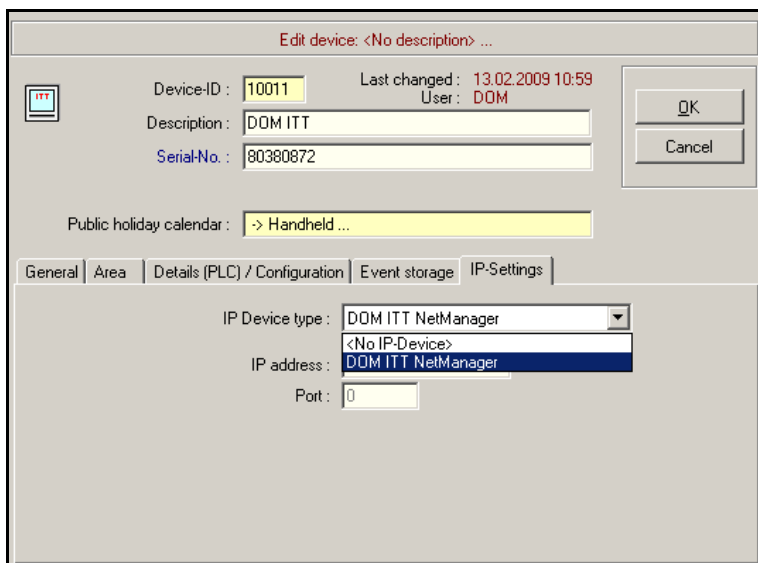
OK Cancel



Note! The series number is to be found on the devices pass of the device. You can also see the serial number on the touch panel of the DOM ITT.hier: **Serial-No. (ITT): 3F.80380872**

9. Enter the series number and confirm with **OK**.

The dialogue window **Devices-Module** appears.



Edit device: <No description> ...

Device-ID : 10011 Last changed : 13.02.2009 10:59
User : DDM

Description : DOM ITT

Serial-No. : 80380872

Public holiday calendar : -> Handheld ...

OK
Cancel

General Area Details (PLC) / Configuration Event storage IP-Settings

IP Device type : DOM ITT NetManager
<No IP-Device>
DOM ITT NetManager

IP address : DOM ITT NetManager

Port : 0

10. Enter a **description** and switch to the **IP Settings** tab.

11. In the pull down menu **IP Device type**, select the **DOM ITT NetManager**.

Now you can enter the IP address, the subnet mask and the standard gateway. You will find these details on the touch panel as well, here:

DOM ITT: imwin2 (192.168.100.101)
Subnet mask: 255.255.255.0
Gateway: 192.168.100.30

Edit device: <No description> ...

Device-ID: 10011 Last changed: 13.02.2009 10:59
User: DOM

Description: DOM ITT

Serial-No.: 80380872

Public holiday calendar: -> Handheld ...

General | Area | Details (PLC) / Configuration | Event storage | IP-Settings

IP Device type: DOM ITT NetManager

IP address: 192.168.100.1

Port: 10002

Subnet mask: 255.255.255.0

Default gateway: 192.168.100.30

Configuration >>> RS232

Configuration - DOM ITT NetManager



Note! You will require a valid combination for the IP-address of the DOM ITT (which has remained unused up to now), the mask of the accompanying sub-network and the IP-address of the gateway, if the IP-addresses of the PC with the ELS software and the DOM ITT are not to be found in the same sub-network. In this case, please contact your system administrator.

12. Enter the IP address, the subnet mask and the standard gateway and confirm with **OK**.

If you click on the button **Configuration - DOM ITT NetManager** straight after entering the IP settings, the following dialogue window will appear.

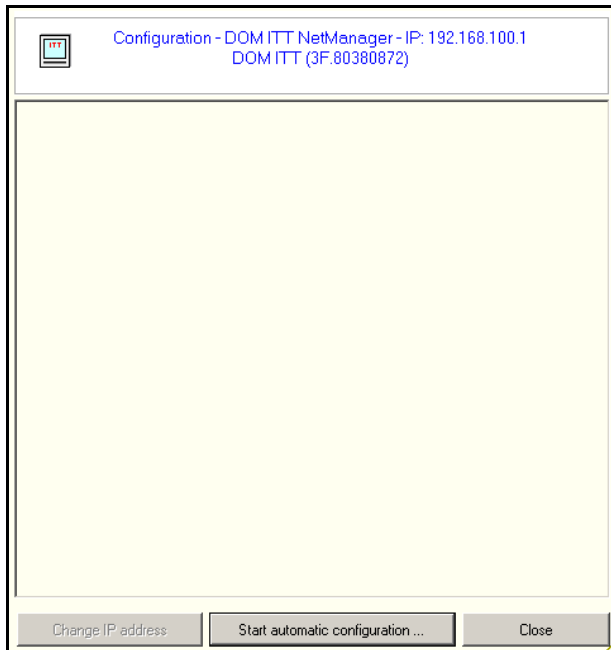
Please save first.

OK

13. Confirm with **OK**, confirm your entry in the device management also with **OK** and open the device management again.

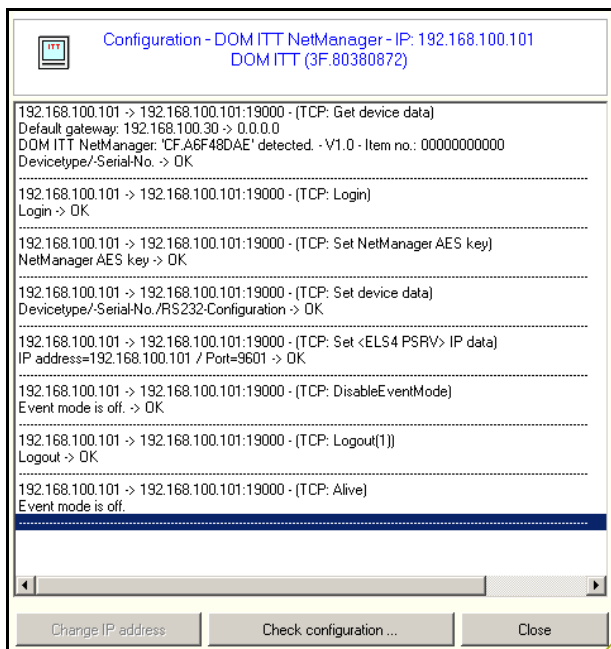
14. Now click on the button **Configuration – DOM ITT NetManager**.

The **Configuration window** opens.



15. Click on the button **Start automatic configuration...** .

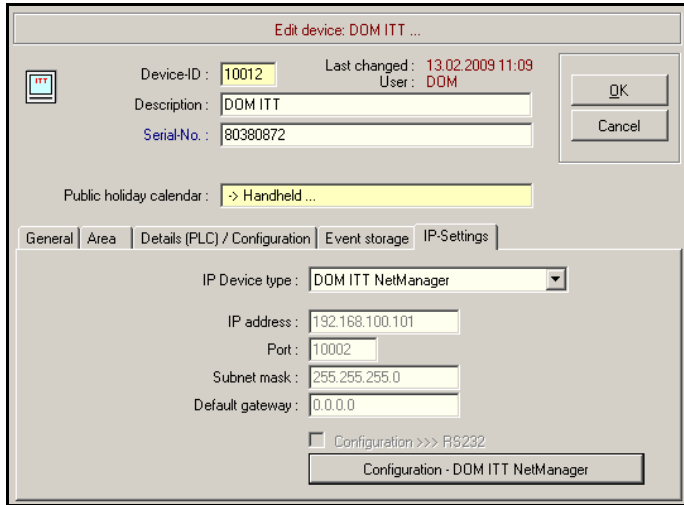
If you have entered all parameters correctly and all electrical installations have been correctly carried out, the configuration runs automatically without intervention by the user.



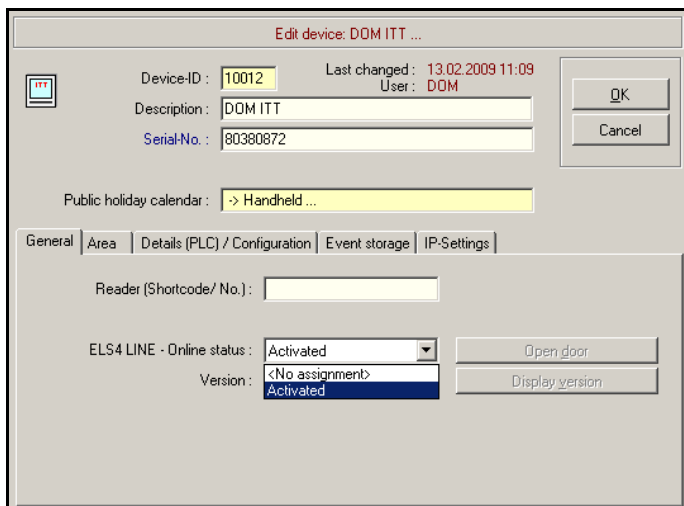
After successful configuration, the button **Start automatic Configuration ...** changes into the button **Check configuration ...** .

16. Click on the button **Close**.

You return to the **Device Module**.

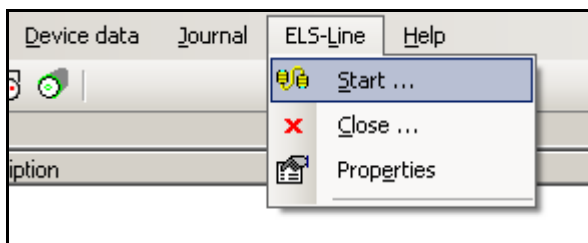


17. Change over to the register card **General**.



18. Set the online status to **Activated** and click on **OK**.

This will take you back to the **Explorer window**.



19. If the ELS line has not yet been started, select the sub-item **Start** in the **ELS Line** menu.

The ELS Line is started.

```

14:50:10 - -----
14:50:10 - 13.02.2009 - ELS4 LINE started ...
14:50:10 - Connecting to database...
14:50:10 - Reading event descriptions...
14:50:10 - Reading devices...
          Devices: Number=1 - Online=1
          <DOM ITT> [D-ID: 10013]
          COM 4 will be used.
          Daylight saving time: Westeuropäische Sommerzeit
14:50:11 - Checking <DOM NetManager>...
14:50:11 - Check: <DOM NetManager> finished.
14:50:12 - Checking: <DOM ITT> [D-ID: 10013]...
14:50:12 - Check: <DOM ITT> [D-ID: 10013] finished.
14:50:12 - Sending date/time to all devices...
14:50:12 - Starting <ELS4 PSRV1>...
14:50:18 - 13.02.2009 14:50 - <DOM ITT> [D-ID: 10013] - Date/time set
  
```

Devices: Number=1 - Online=1 Fri. 13.02

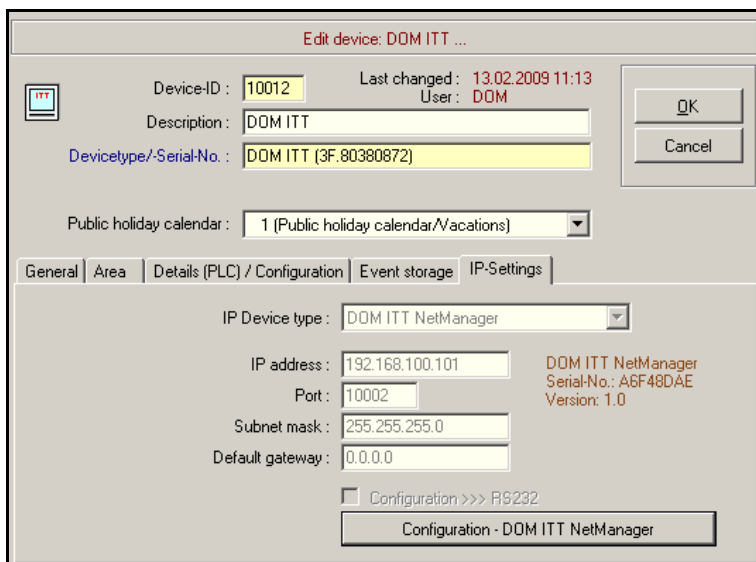
The periphery server is also started by the line.

The periphery server is for buffering the current events that the DOM ITT sends to the PC, until the ELS Line programme displays these and adds them to the database.

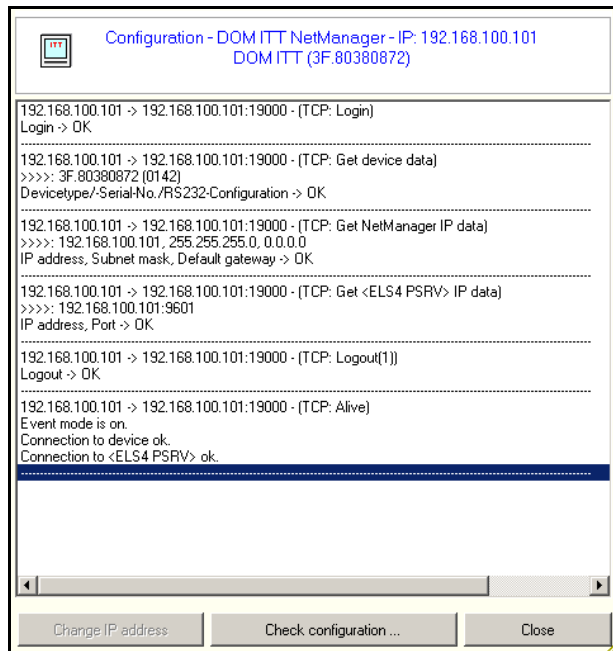
```

11:14:59 - -----
11:14:59 - 13.02.2009 - <ELS4 PSRV1> has been started ...
11:14:59 - Reading devices...
          Devices: Number=1 - Online=1
          192.168.100.101 <DOM ITT>
  
```

You can now make a final check of the DOM ITT configuration. Open the **device management** of the **DOM ITT** again.



20. Click on **Configuration – DOM ITT NetManager**.



21. Click on the button **Check configuration...** .
The configured parameters are checked.



Note! After successful commissioning and configuration, the whole DOM ITT must be programmed using the ELS software. (see ELS software manual).

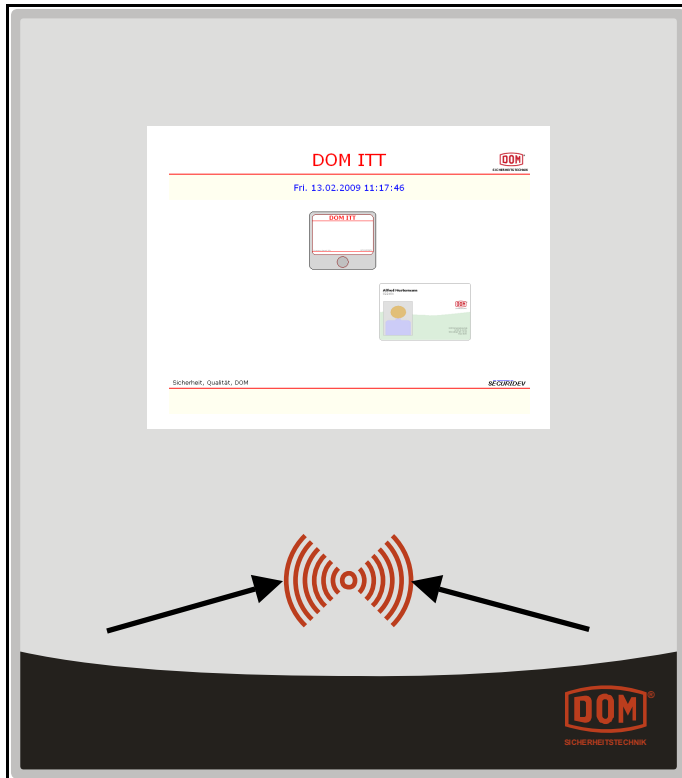
The commissioning of your DOM ITT is completed. Now you can use the DOM ITT as access control device and at the same time as programming device for intelligent transponders.



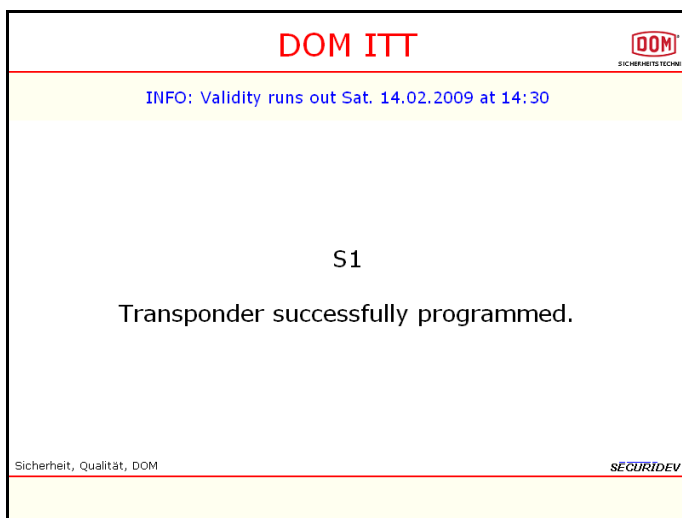
Note! Every 5 minutes, the DOM ITT checks whether modifications have been accomplished in the ELS data base. All modifications concerning the DOM ITT are stored in the local data base of the DOM ITT.

Operation

After having created and configured the DOM ITT in the ELS software, you can programme the transponder in the reading sector of the DOM ITT. According to the application, you also have the option to use the DOM ITT as access control device.



The reader is located within the range of the displayed antenna. You must hold the transponders to be programmed in a low distance to the reader until the successful programming message appears on the display.

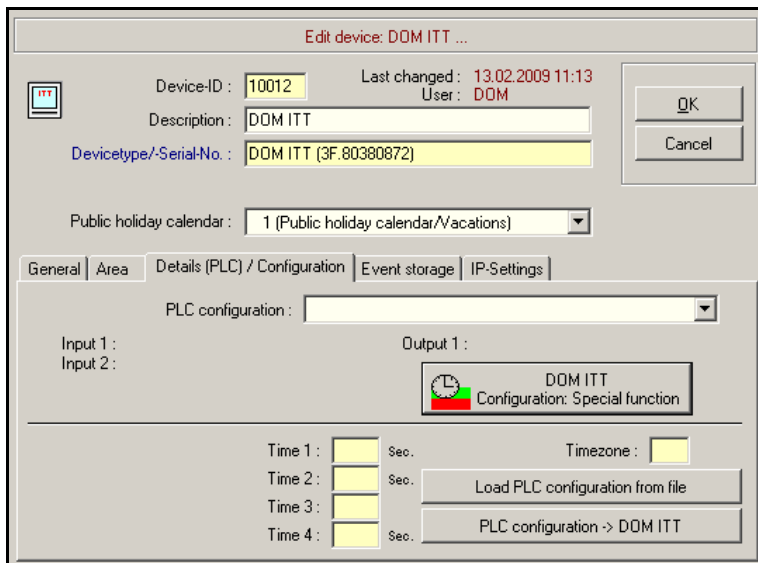


In order to be able to lengthen the time of validity of intelligent transponders with the DOM ITT, you must place the transponder in the ELS software. Then you must programme the transponders once with a PC reader and programme the authorisations in the corresponding devices. (see ELS software manual)

Finally, you can configure the DOM ITT in a way that the DOM ITT assigns a temporary authorisation for the intelligent terminals each time the intelligent transponder is shown.

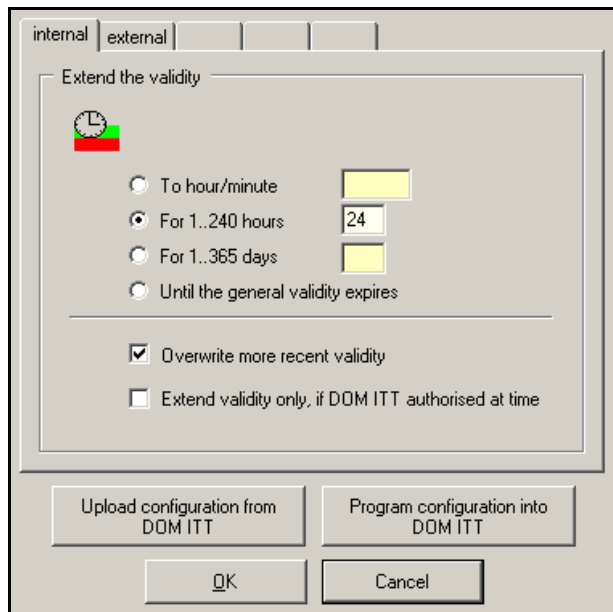
Proceed in the following steps:

Open the **DOM ITT device management** in the ELS software.



1. Click on the pushbutton **DOM ITT Configuration: Special function**.

The dialogue window **Configuration DOM ITT** opens up.



Note! In this dialogue window you determine the time span for which the intelligent transponder should be authorised as of showing of the transponder to the intelligent end devices. The basic validity of the intelligent transponder which you have previously programmed remains. The transponder is thus not blocked after expiration of the set time span, but is merely no longer authorised for the intelligent end devices.

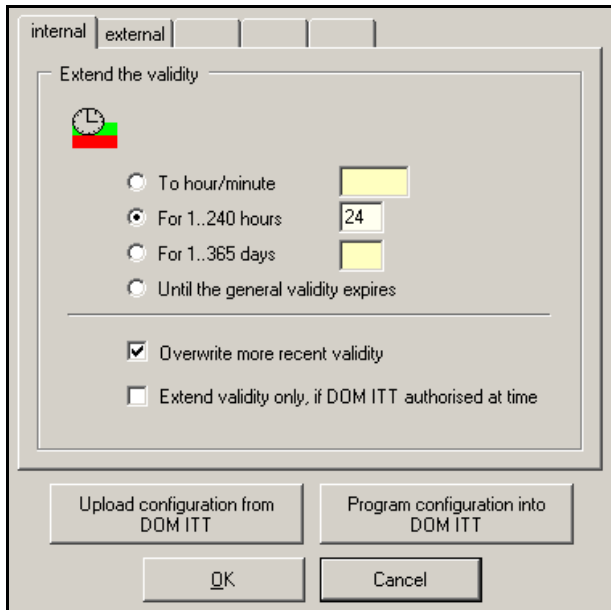
2. Click on the tab for the master data type whose transponder is to be programmed. (here: internal).
3. Have the existing configuration shown if necessary through clicking on the pushbutton **Upload configuration from DOM ITT** (here: 24 hours).
4. Enter the desired time span:
If you would like to give a time for until when the intelligent transponder should be authorised, select **To hour/minute (hh:mm)**.
If you want to authorise the intelligent transponder for a set time span, select **for 1...240 hours** and enter the time span in hours (here: 24).
If you want to assign the authorisation for a fixed period of time in days to your intelligent transponder, select **For 1...365 days** and enter the period of time in days.
5. Activate the **Overwrite more recent validity** option if you want to change the period of time which you have programmed before and whose end is in the future.
6. If you only want to programme intelligent transponders which are authorised at the DOM ITT, you must activate the **Extend validity only, if DOM ITT authorized at time** option.
7. Then click on the pushbutton **Program configuration into DOM ITT**.

The following dialogue window opens up.

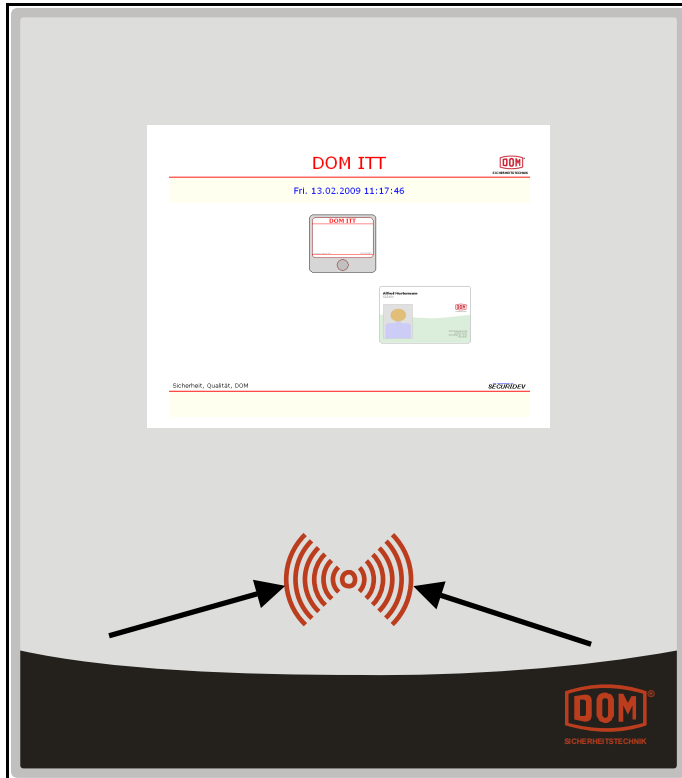


8. Confirm with **OK**.

You go back to the dialogue window **Configuration DOM ITT**.



9. Confirm your entries with **OK** and close the device administration of the DOM ITT.

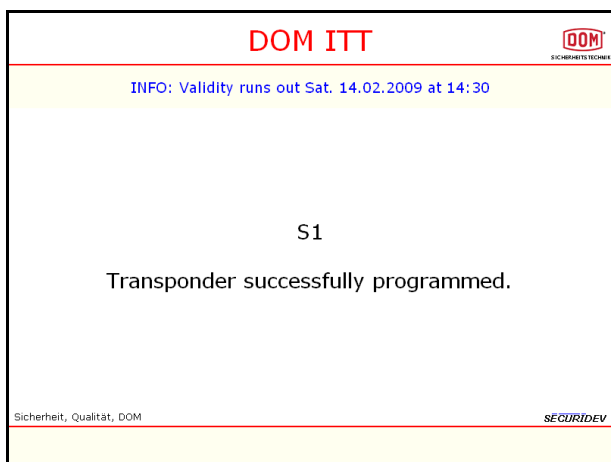


If the previously programmed intelligent transponder is now held in front of the DOM ITT, at first the time span for the authorisation on the intelligent end devices is programmed in the transponder (here time span 24 hours < valid until 14.02.2009 15:00>).

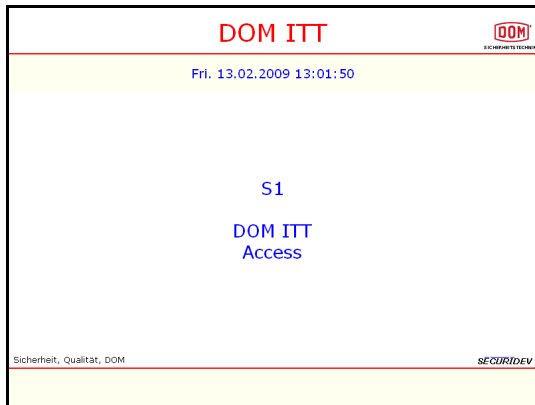
The described process is displayed in the ELS line.

```
15:00:28 - 13.02.2009 15:00 - <DOM ITT> [D-ID: 10013] - Data written into transponder - <Valid to = 14.02.2009 15:00>
15:00:28 - 13.02.2009 15:00 - <DOM ITT> [D-ID: 10013] - Access - <S1> [M-ID: 100030]
```

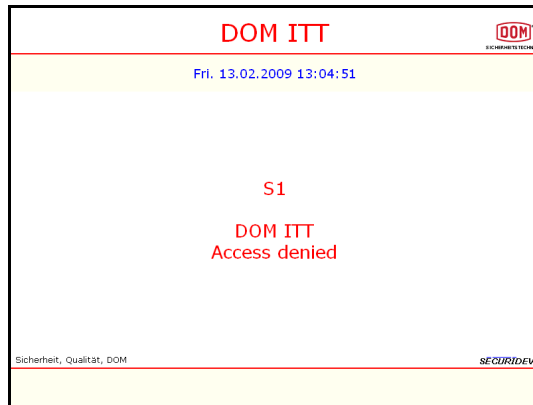
After successful programming, the programming process is confirmed on the display of the DOM ITT.



Subsequently, the connected periphery is activated.

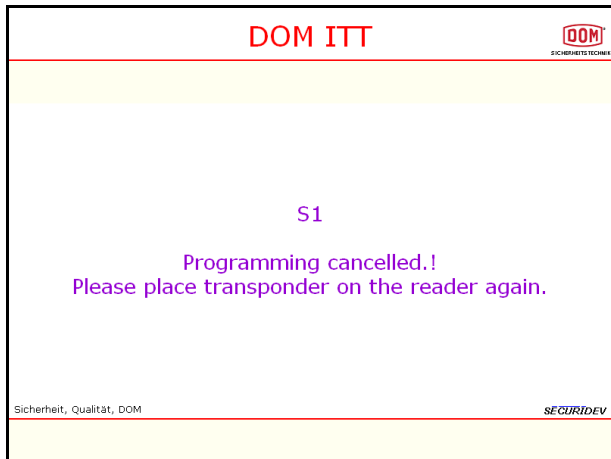


Approved



Not approved

If the transponder is removed from the reading range of the DOM ITT before programming has been completed, the programme is aborted.



In this case, you must hold the transponder again within the reading range until the whole programming is completed.

Maintenance

The DOM ITT is maintenance-free.



Caution! For fire protection purposes, there is a micro-fuse in the connection clipboard of the device. If this fuse must be replaced, please only use type 2A/250V delay action fuses as replacement. Otherwise, you will risk fire.



Caution! If there are visible damages at the housing, please return the complete device to DOM for repair. Do not try to repair this device yourself. Please directly contact DOM in case of possible repairs. Warranty repairs must be directly accomplished by DOM. Any unauthorised repair may result in the loss of warranty.

Storage/maintenance

If the DOM ITT is to be stored for a prolonged period of time before assembly or after use, store it dry and dust-free in the original packaging.



Caution! Material damage caused through the use of aggressive cleaners. Do not use any aggressive cleaners, graphite or oil. Only clean the casings and the closing devices using a smooth, moistened leather cloth without cleaners.

Disposal

Please note that DOM ITT partially consists of electronic components that have to be disposed of in a specific way. Always comply with all customary provisions for the protection of the environment when disposing of them.

You can also send the components of your DOM ITT in the original packaging back to the manufacturer.

Technical data



Note! The indicated technical data represent the latest status. Technical modifications reserved.

Power supply:

• 90-250 V AC, 47-63 Hz, current consumption max. 1,0 A
• 125-250 V DC, current consumption max. 1,5 A
• microfuse inside terminal block: 2A / 250V (delay fuse)
• power consumption max. 65 W
• automatic reboot after power failure

PC hardware:

• operating system Windows XP embedded
• CPU 533 MHz, 512 MB RAM, 8 GB flash memory (CF)
• TFT flat panel, 8,5 inches, SVGA (800x600)
• Touch Panel, analogue resistive
interfaces: PS2 for keyboard / mouse 3 x USB 1.1, hot-plug 1 x RJ45 Ethernet (→ online interface)
LEDs: Power (yellow): power supply o.k. RUN (green): CPU o.k. IDE (yellow): access to CF card

Online interface / software:

• Ethernet, Twisted Pair 10/100 MBit
• connection via RJ45 jack with CAT.5 patch cable
• automatic data synchronisation with ELS software
• version ELS V4.2R3 (or higher) with online-, client/ server- and intelligent-transponder-module necessary

Inductive transponder interface:

• reading range: up to 10 cm
• frequency: 125 kHz
• field strength in 10 m distance: < -6 dB µA/m
• in conformity with ETSI EN 300 330
• intelligent transponder concept solely with Hitag S
transponder types:
• DOM Tac, ISO card transponder
• DOM ((o)) butler transponders with passive inlay
• other types have to be checked

Inputs / outputs:

2 inputs for potential-free switches:
• max. resistivity: < 10 Ω
• max. cable length: < 20 m
• marking of terminals: 1G / 1I, 2G / 2I
1 output (potential-free change-over-contact):
• electric strength: 30V DC 125V AC
• ampacity: 1 A/DC 0,3 A/AC
• marking of terminals: NC / C / NO
• plug-in terminals: Phoenix MZB, cross-section 0,14-2,5 mm ²

Housing:

• basic unit: steel sheet, black powdered
• removable aluminium front cover with decor foil: silver (Marabu 191), black (Marabu 073), red (RAL 3031)
• locked by 2 DOM cylinders
• wall mounting by 4 screws
• weight: approx. 4,5 kg
• dimensions: max. 315 x 259 x 125 mm (height/width/depth)
• connections on rear side or bottom side

Temperature range:
Relative humidity:
Protection class:

• 0°C to +50°C
• max. 95% at 25°C (no condensation)
• frontally IP65, rear side IP 20 according to DIN EN 60529

Warranty

The limitation period for the customer's rights is twelve months after the delivery of the delivery item to the customer. The statutory periods of limitation shall remain valid for claims for damages on the part of the customer for other reasons than defects of the delivery item as well as with regard to the customer's rights in the case of a fraudulent concealment of defects or wilfully caused defects. The limitation provisions of § 479 German Civil Code shall remain unaffected.

Should you have any questions that are not answered by the information contained in these assembly and operating instructions, please contact one of the branch offices in your country directly.

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