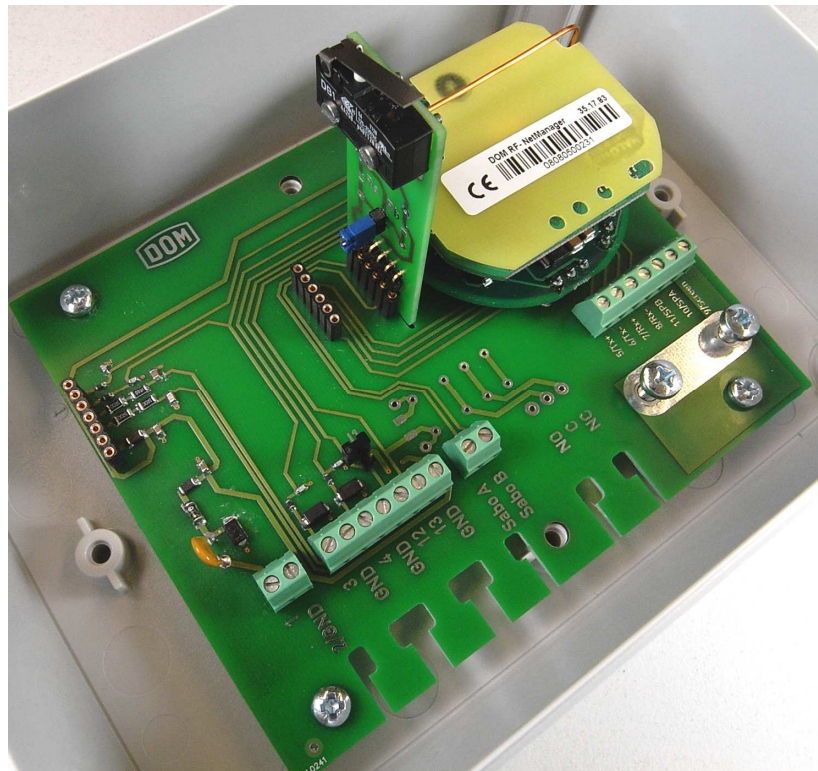


## Manual DOM (RF) NetManager Box



With the *DOM (RF)NetManager box* you have chosen a product that enables the surface mounting of the products *DOM RF NetManager* and *DOM NetManager*.

The manual will help you to handle the *DOM (RF) NetManager Box* and help you with the commissioning and maintenance.

Before working with the *DOM (RF) NetManager Box*, first read this manual and the instructions of the *DOM RF NetManager* and *DOM NetManager* and then wire and handle the unit. Take some time to learn the conditions from this unit and how to use and serve.

### Published by

DOM Sicherheitstechnik GmbH & Co. KG, 50301 Brühl

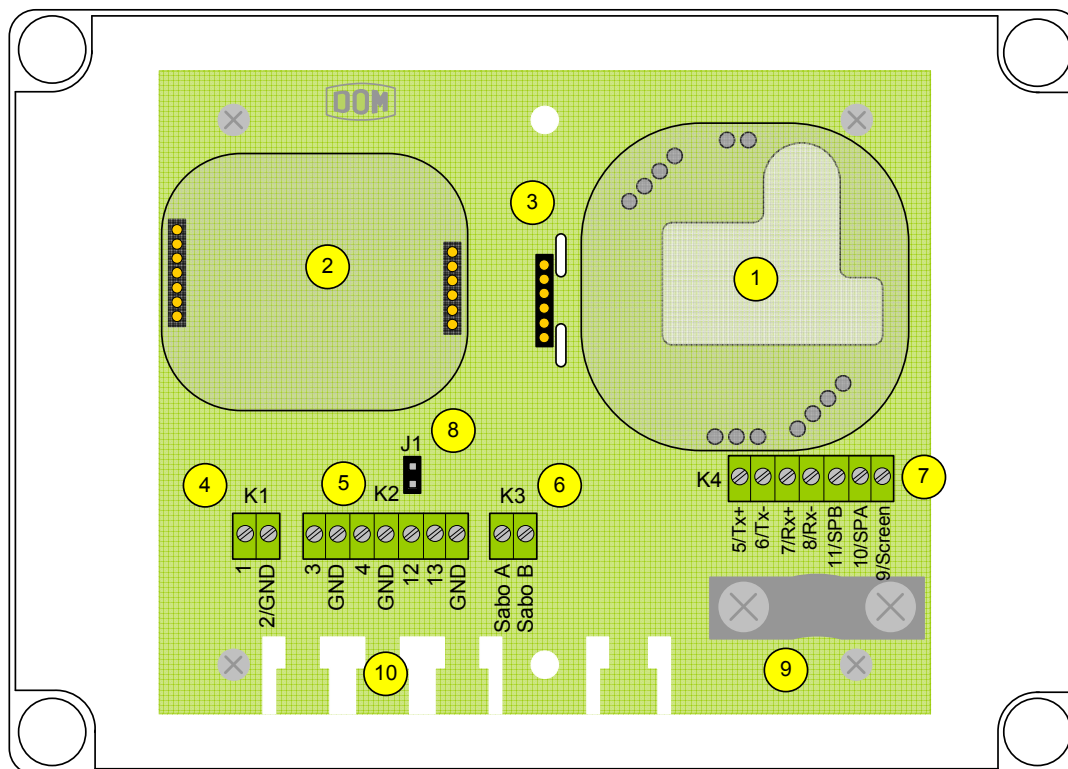
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### Important information

This documentation is updated at regular intervals. The publisher will always be grateful for the communication of possible errors or suggestions for this documentation.

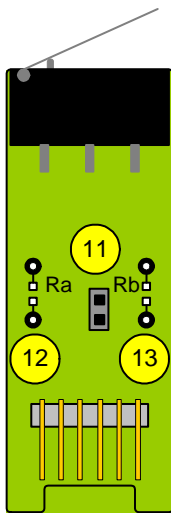
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## Product description



<b>(1)</b>	Standard slot for DOM RF NetManager and DOM NetManager (depending on application) <b>with</b> power supply board
<b>(2)</b>	Standard slot for DOM RF NetManager (depending on application) <b>without</b> power supply board (= PoE (Power over Ethernet) not available)
<b>(3)</b>	Slot for tamper switch (box switch)
<b>(4)</b>	Operating voltage (1 = 12-24V DC; 2/GND = ground)
<b>(5)</b>	RS 232 interface (3 = TxD, GND = ground, 4 = RxD) Input 1 (4 <> GND); Input 2 (3 <> GND) Output (12, 13, GND)
<b>(6)</b>	Sabotage line Box closed (tamper switch pressed) = sabotage line closed (See description page 5)
<b>(7)</b>	Network connection Ethernet (at Online-Installation)
<b>(8)</b>	Switching the operating voltage to the output
<b>(9)</b>	Strain-relief network cable (Ethernet cable)
<b>(10)</b>	Strain-reliefs

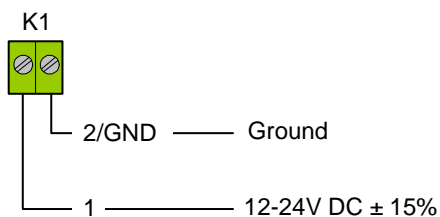
## Product description tamper switch



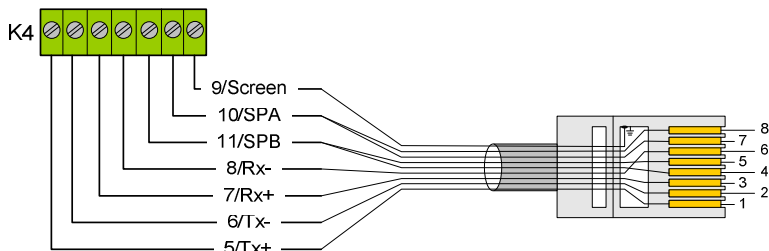
<b>(11)</b>	Configuration sabotage line Depending on the application (see description page 5), the jumper can be closed or open
<b>(12)</b>	Tamper resistance Ra (not assembled): For using a line impedance a resistor can be soldered (see description page 5).
<b>(13)</b>	Tamper resistance Rb (not assembled): For using a line impedance a resistor can be soldered (see description page 5).

## Assembly

### Connection operating voltage



### Connection Network (Ethernet)



Clamp K4	Pin RJ45-connector
9/Screen	Shielding
10/SPA	7 + 8
11/SPB	4 + 5
8/Rx-	6
7/Rx+	3
6/Tx-	2
5/Tx+	1

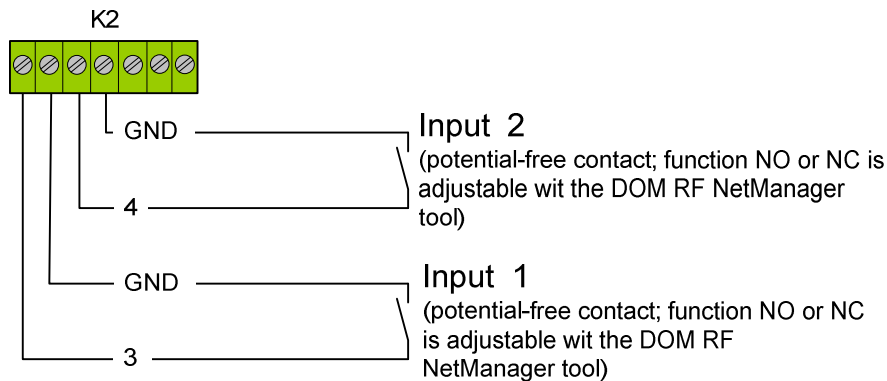
## Connection / wiring input 1 and 2

(only by using DOM RF NetManager possible!)

For using the inputs 1, 2 these must be activated with the DIP-switch of the DOM RF NetManager (standard = disabled).



(Settings DIP-switch for activate the inputs and the output)



## Connection / wiring output

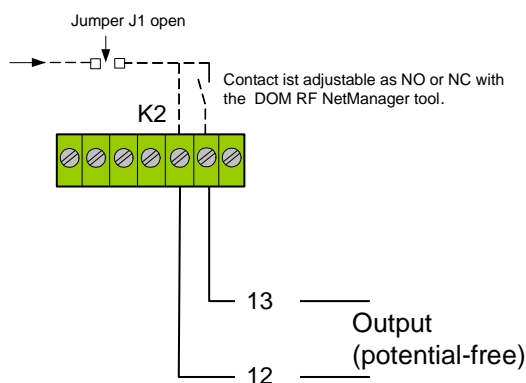
(only by using DOM RF NetManager possible!)

For using the output, this must be activated with the DIP-switch of the DOM RF NetManager (standard = disabled).

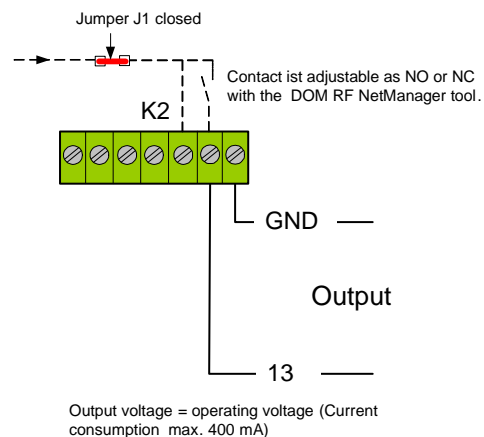


(Settings DIP-switch for activate the inputs and the output)

Output: potential-free contact



: with operating voltage



### Connection RS232 cable

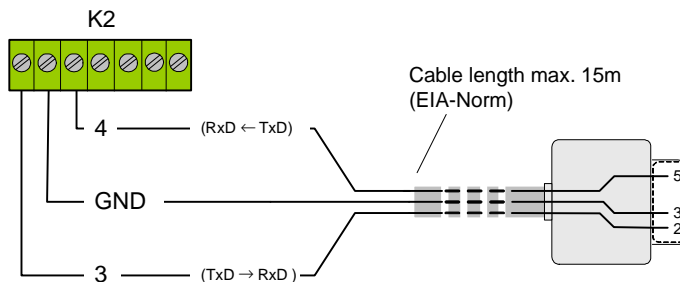
(Optionally, to configure the network parameters)

At the DOM RF NetManager the RS232 interface is to activate with the DIP-switch (delivery condition: RS232 inactive).



(Settings DIP-switch for activate RS232 interface)

By using DOM NetManager, the interface is always active.



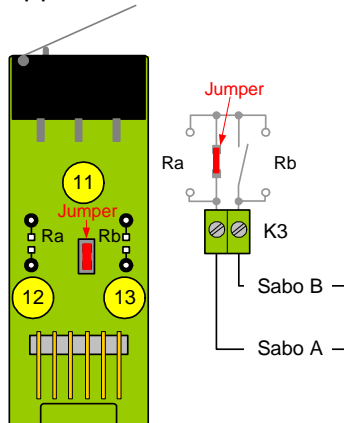
e. g. with DOM installation cable  
 (Part number: 351540F)  
 Configuration: Pin 5 = wire white  
 Pin 3 = wire green  
 Pin 2 = wire brown

### Connection / wiring tamper switch (Box switch)

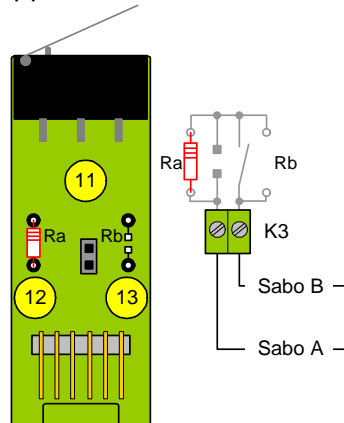
The DOM (RF) NetManager Box allows you to display, with a potential-free contact, if the sabotage line is active or inactive.

The sabotage monitoring can be performed differently (Application 1 = delivery condition).

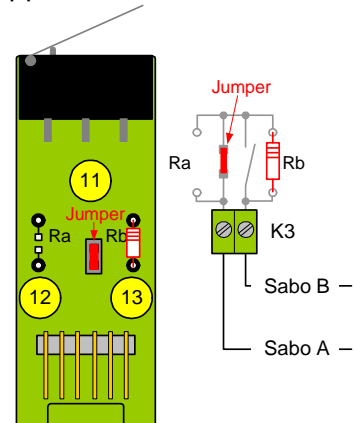
Application 1



Application 2



Application 3



	<b>Application 1</b> Resistance at clamp Sabo A / Sabo B	<b>Application 2</b> Resistance at clamp Sabo A / Sabo B	<b>Application 3</b> Resistance at clamp Sabo A / Sabo B
Box open	$\infty$ Ohm	$\infty$ Ohm	Rb
Box closed	0 Ohm	Ra	0 Ohm
Jumper	closed	Open	closed

# DOM (RF) NetManager Box

revision B

Additionally the datasheet of DOM (RF) NetManager have to be considered!

Technical Data	DOM (RF) NetManager Box
<b>Power supply:</b>	12 – 24V DC $\pm$ 15% Power over Ethernet (PD) (IEEE 802.3.af) → according to DOM (RF) NetManager
<b>Current consumption:</b>	according to DOM (RF) NetManager
<b>Tamper switch:</b>	Potential-free, max. 250V / 1A
<b>Dimensions:</b>	125 x 175 x 50 mm
<b>Accessories.</b>	4 * M16
<b>Approvals<sup>1</sup>:</b>	<ul style="list-style-type: none"> <li>• in conformity with all applicable EC directives</li> <li>• national laws have to be checked separately</li> </ul> VdS C – class II <sup>2</sup> 
<b>Contacts:</b> <b>K1 (power supply)</b> <b>K2</b> <b>(Inputs / outputs / RS232)</b>	<ul style="list-style-type: none"> <li>- 1: 12V – 24V DC <math>\pm</math> 15%</li> <li>- 2/GND: ground</li> <li>- 3: input 2 / RS232 TxD      - GND: ground</li> <li>- 4: input 1 / RS232 RxD      - GND: ground</li> <li>- 12: output / M-BUS</li> <li>- 13: output / M-BUS</li> <li>- GND: ground</li> </ul>
<b>K3</b> <b>(Tamper switch)</b>	<ul style="list-style-type: none"> <li>- Sabo A: tamper switch terminal A</li> <li>- Sabo B: tamper switch terminal B</li> </ul>
<b>K4</b> <b>(Ethernet)</b>	<ul style="list-style-type: none"> <li>- 5/Tx+                      - 6/Tx-</li> <li>- 7/Rx+                      - 8/Rx-</li> <li>- 11/SPB                    - 10/SPA</li> <li>- 9/Screen: screen</li> </ul>
<b>Protection class</b>	IP66
<b>Temperature range:</b>	<ul style="list-style-type: none"> <li>• stocking:                      -25°C to +80°C</li> <li>• operating:                      -25°C to +70°C</li> </ul>
<b>Humidity:</b>	20% bis 99% (no condensation)

Attention!

These data correspond to the actual development status and are subject to change at any time without notice.

<sup>1</sup> Together with DOM NetManager / DOM RF NetManager

<sup>2</sup> Only together with DOM RF NetManager and DOM Protector online. In preparation.