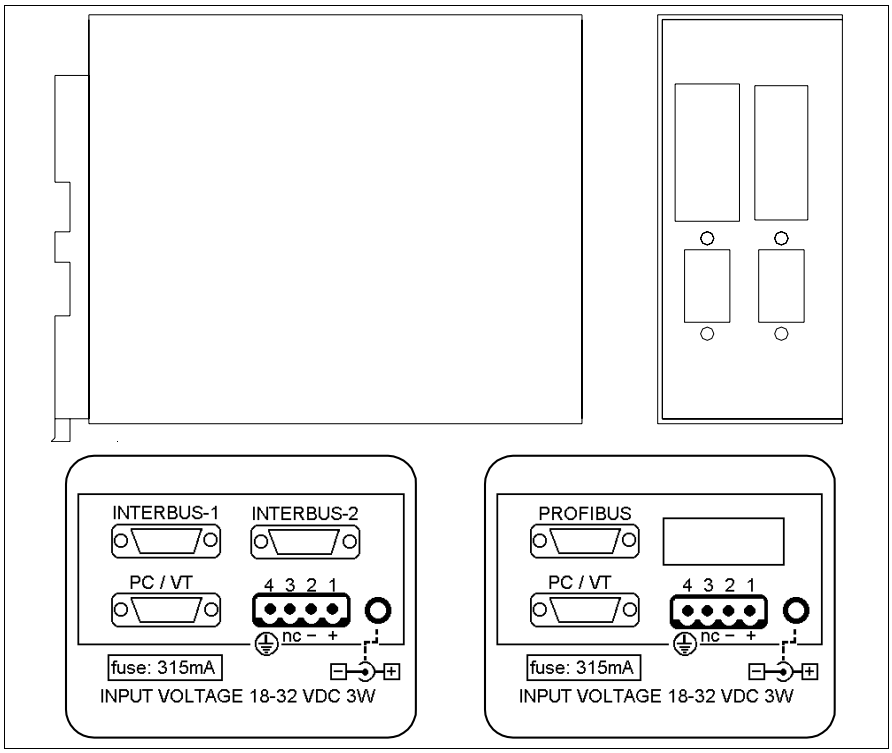
Interbus-S and Profibus-DP card



The casing is the same both for the Interbus-S and the Profibus-DP networks; a label is attached to indicate which network is contained.

The table below lists the principal technical characteristics of the product under discussion.

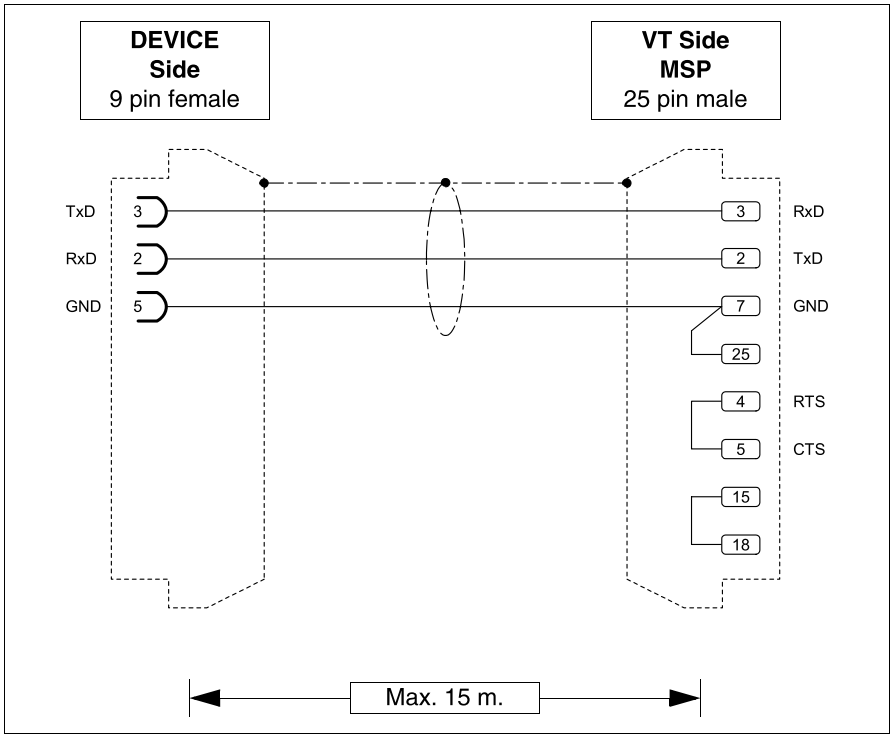
Technical data	
Power supply	24Vdc (18..32Vdc)
Power absorbed at 24Vdc	3W
Protection level	--
Operating temperature	0..50°C
Storage and transportation temperature	-20..+60°C
Humidity (non-condensing)	85%
Weight	800gr
Dimensions	
External W x H x D [mm]	48,8 x 107,2 x 139,4
Cut-out W x H [mm]	--

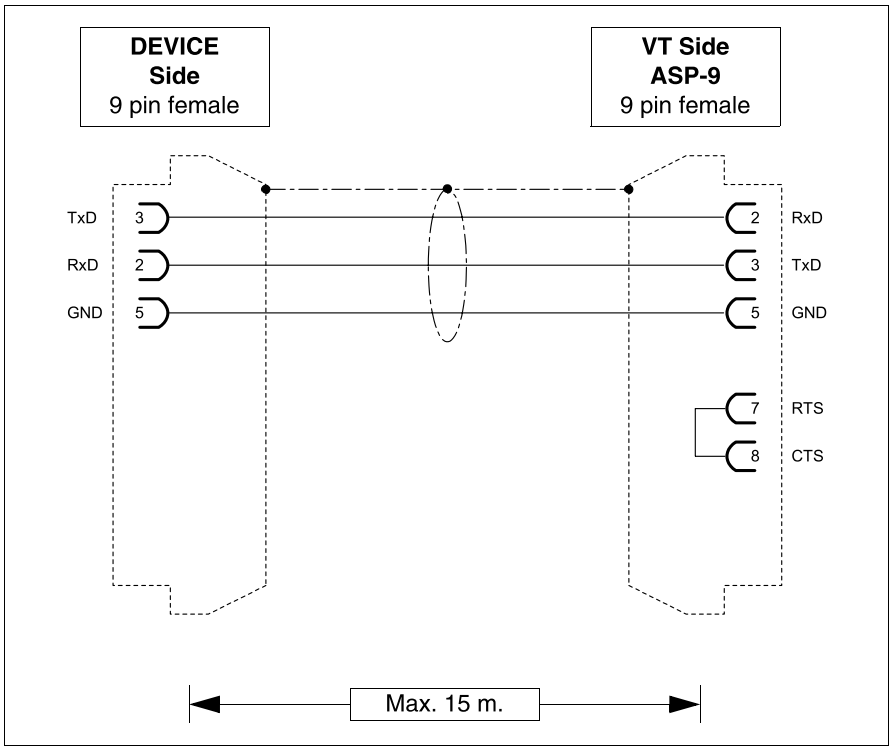
The device incorporates the Interbus-S and Profibus-DP network cards (see Page 34-19 and Page 34-21 for information); it also contains a power supply card with a communication port composed of a 9 pin male D-Sub connector for connecting a PC or VT in RS232 (see “Chapter 31 -> PC/VT serial port“).

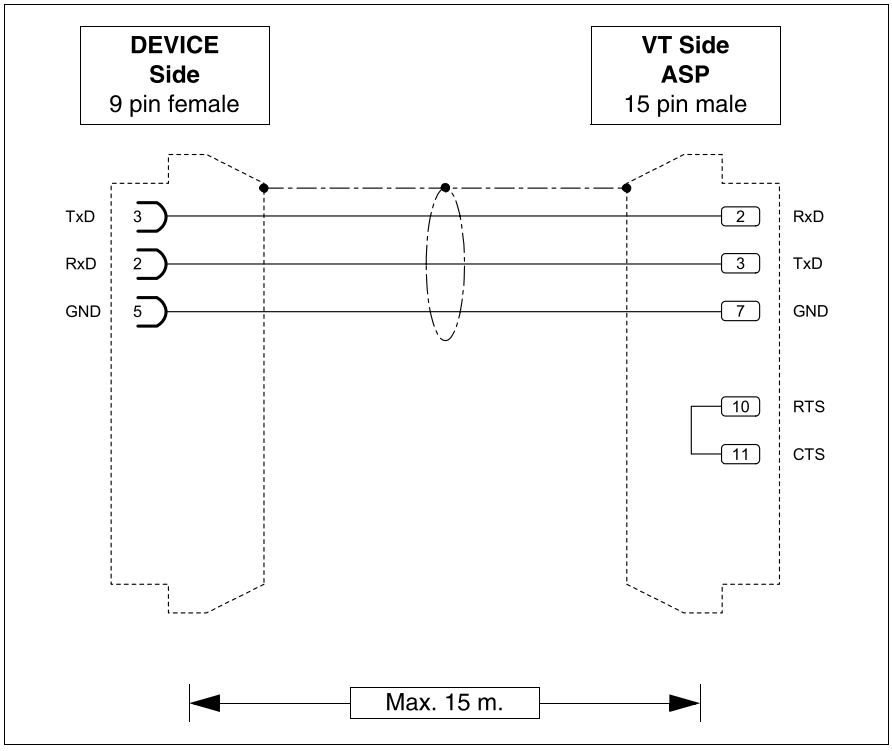
The external power supply for this card can also come via a 4-pin connector or a jack.

See “Chapter 2 -> Power Supply“ **for connecting the power supply.**

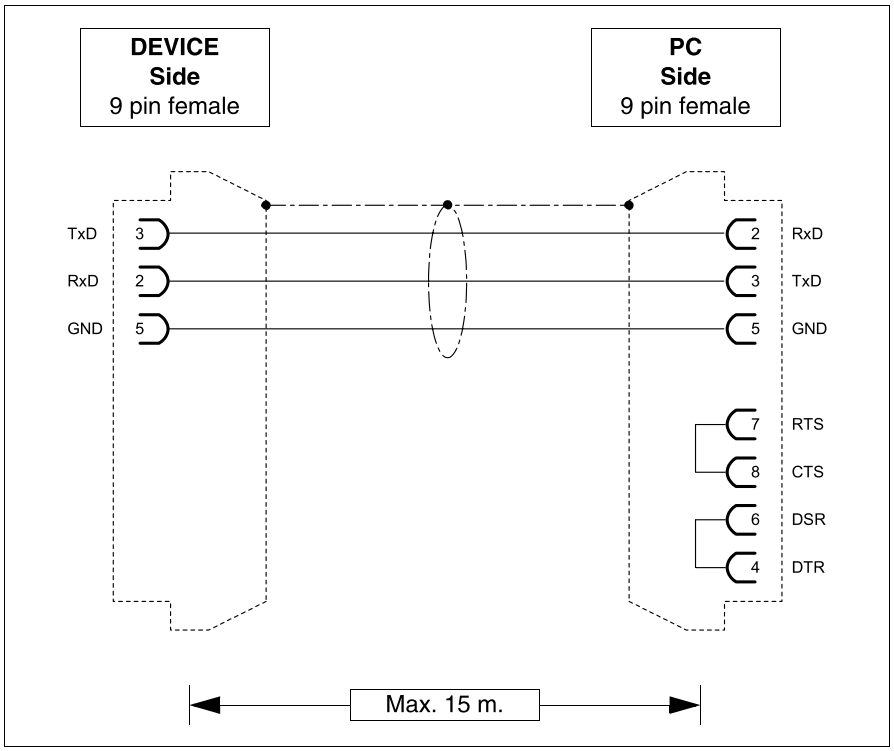
The connection to the VT uses the following cables.

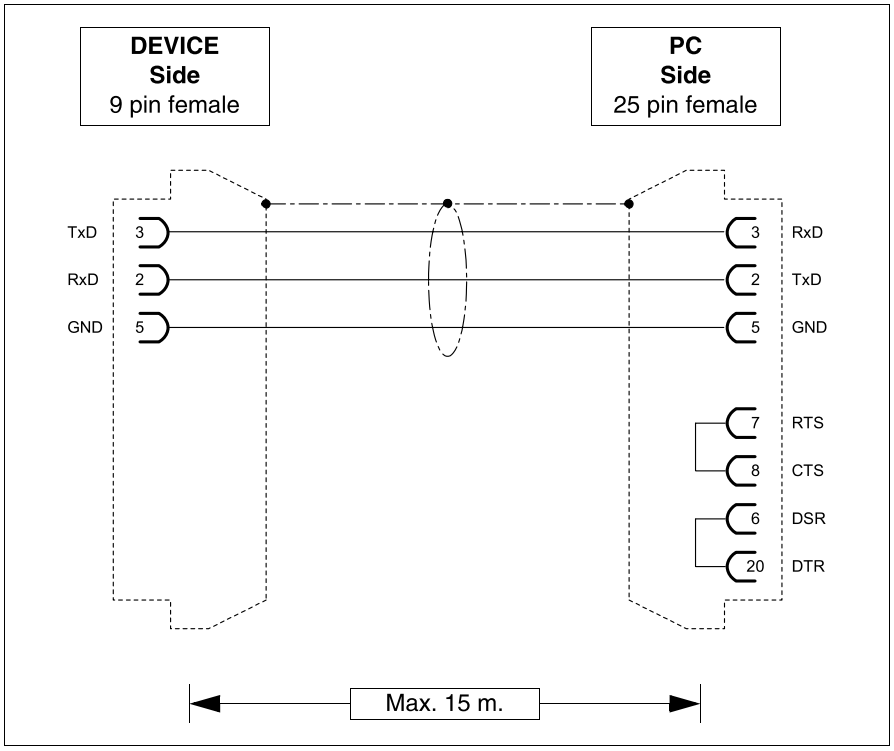



DEVICE
Side
9 pin female
VT Side
ASP-9
9 pin female
TxD
3
RxD
2
GND
5
2
RxD
3
TxD
5
GND
7
RTS
8
CTS
Max. 15 m.

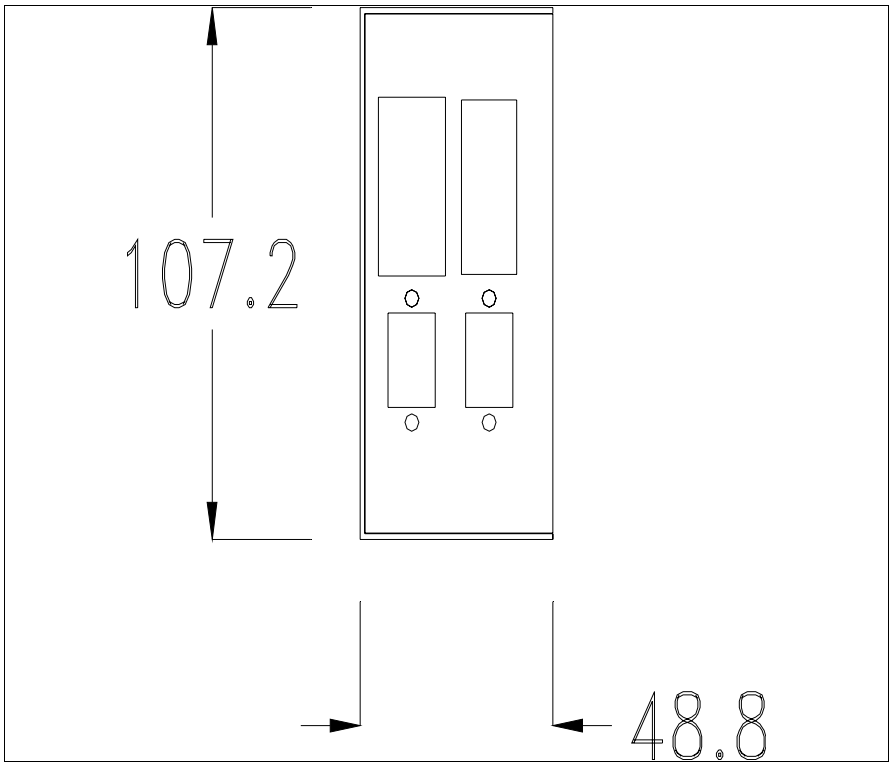

DEVICE
Side
9 pin female
VT Side
ASP
15 pin male
TxD
3
RxD
2
GND
5
2
RxD
3
TxD
7
GND
10
RTS
11
CTS
Max. 15 m.

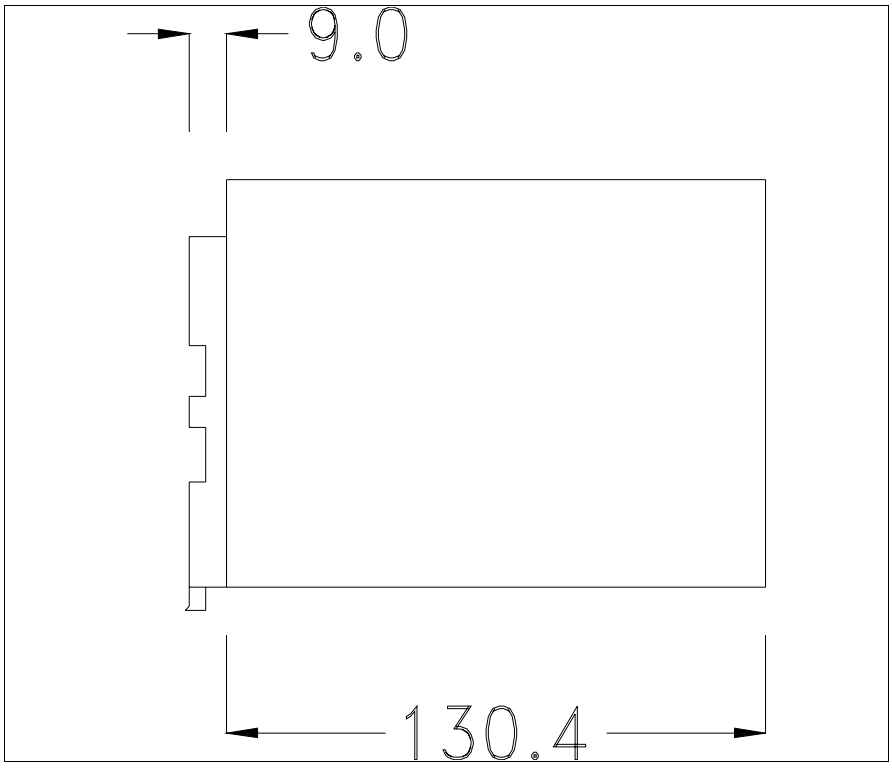
The connection to the PC uses the following cables.





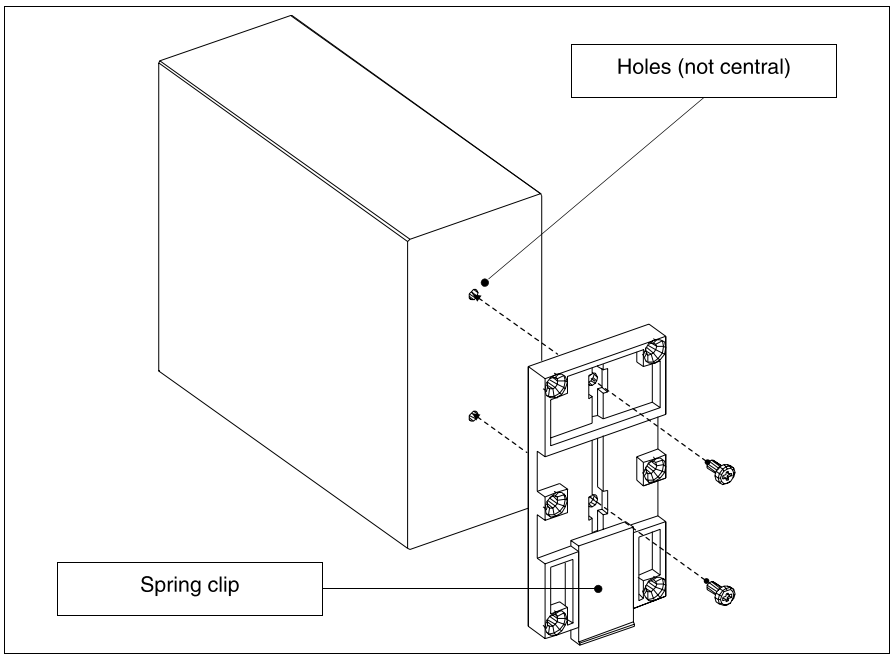
Dimensions:





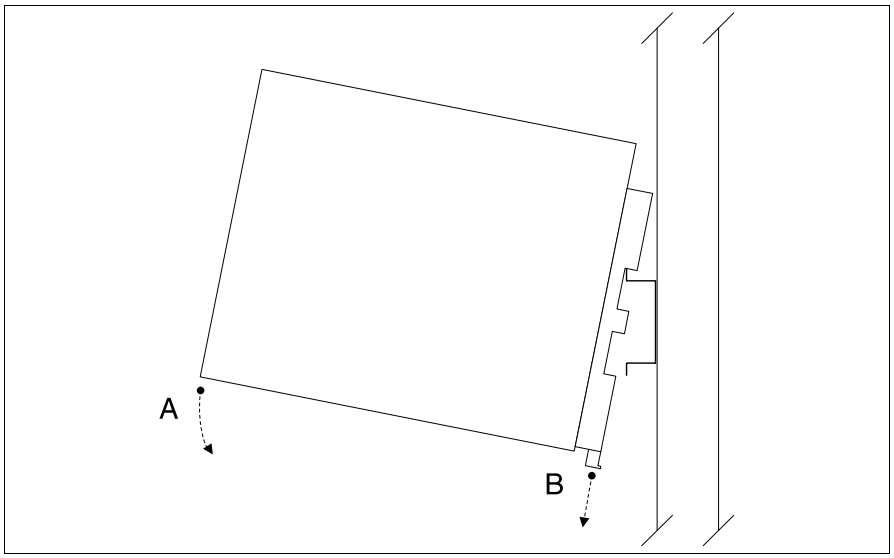
Securing the DIN rail mounting plate:

The device is supplied with a special molded plate for attaching to the DIN rail. The following figure shows how to fit the plate to the device.



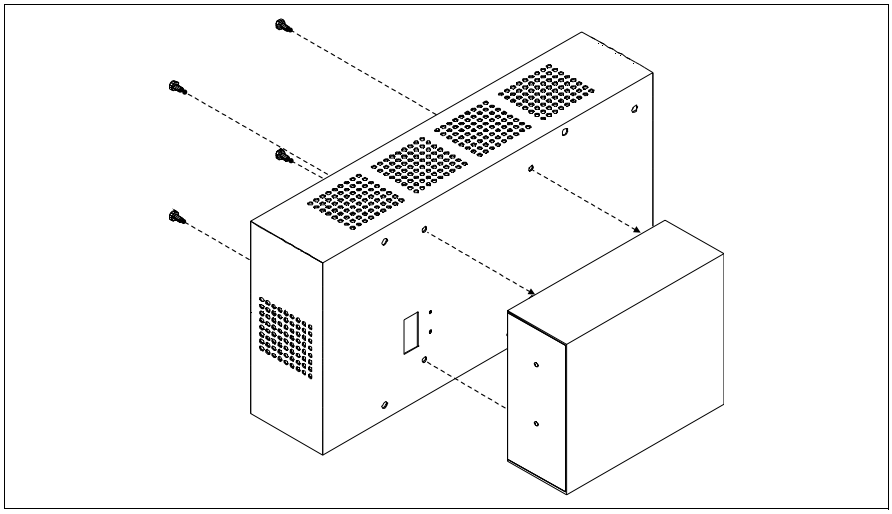
- Locate the two fixing holes.
- Position the device such that the holes are decentered towards the top
- Secure the mounting plate with the screws supplied keeping the spring-clip down.

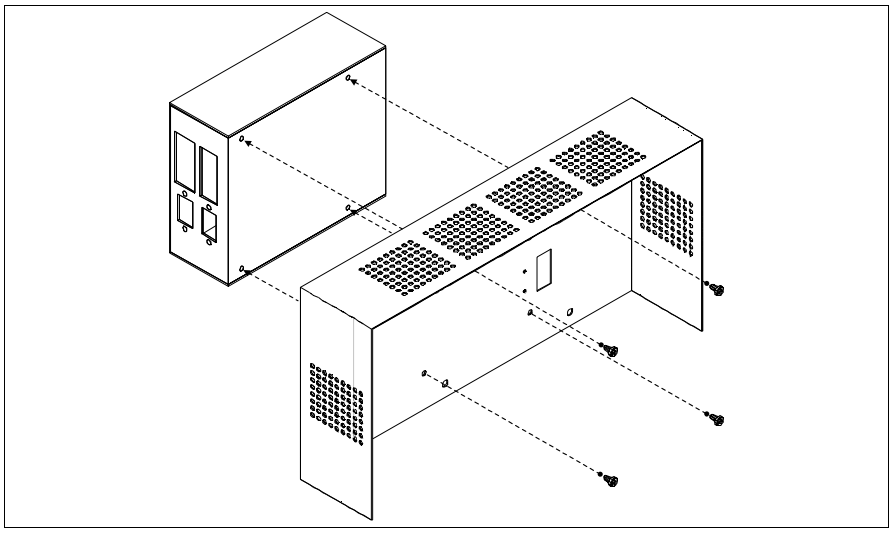
Attaching the device to the DIN rail:



- Once the mounting plate has been attached,
- Hook the upper part of the plate onto the DIN rail.
- Press the device in the direction indicated. (Arrow A)
- To make it easier to hook on, pull the spring-clip in the direction indicated. (Arrow B)

Fixing the device to the back cover:

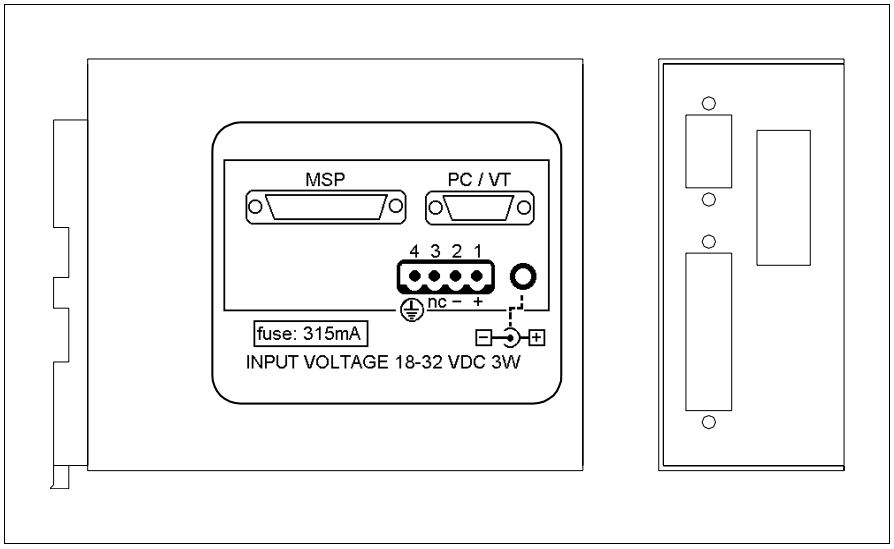




- Check that the VT power supply is not connected.
- Remove the back cover.
- Attach the device as illustrated above using the appropriate screws supplied and making sure the direction is correct.
- Replace the back cover.
- Reconnect the VT power supply.

The above illustrations refer to VT320W; the procedure is basically the same for all those products that can be fixed to the back cover (see Page 34-2).

Connection card for PC-NET



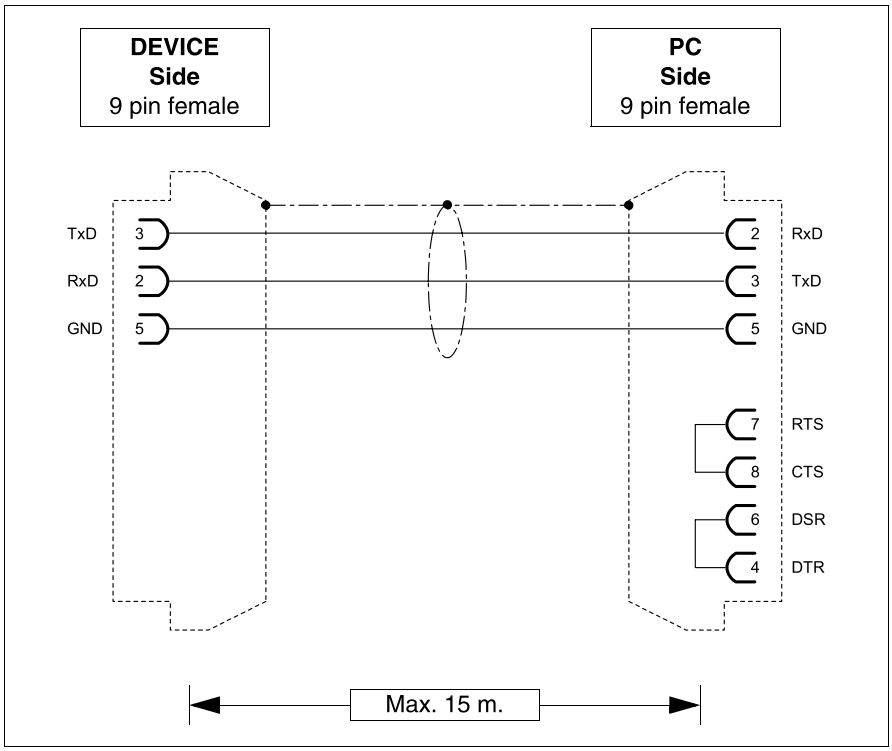
The table below lists the principal technical characteristics of the product under discussion.

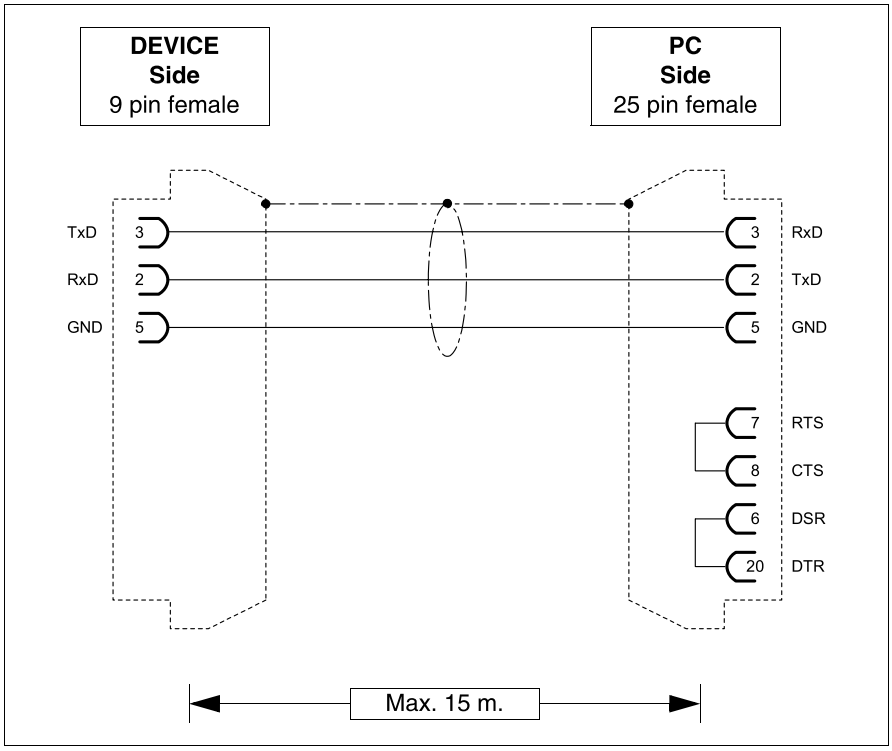
Technical data	
Power supply	24Vdc (18..32Vdc)
Power absorbed at 24Vdc	3W
Protection level	--
Operating temperature	0..50°C
Storage and transportation temperature	-20..+60°C
Humidity (non-condensing)	85%
Weight	800gr
User memory	
Project [Bytes]	16K
Definible groups	255*
Objects per group	255*
Simultaneously active groups	10
Dimensions	
External W x H x D [mm]	48,8 x 107,2 x 139,4
Cut-out W x H [mm]	--

The adapter indicated above makes it possible to connect a device to a PC or several VTs to a PC using the ESANET network. The adapter is equipped with a D-Sub 25 pin female MSP connector (for details see “Chapter 31 -> MSP serial port“) and a D-Sub 9 pin male PC/VT connector (for details see Page 34-27).The external power supply for this card can also come via a 4-pin connector or a jack.

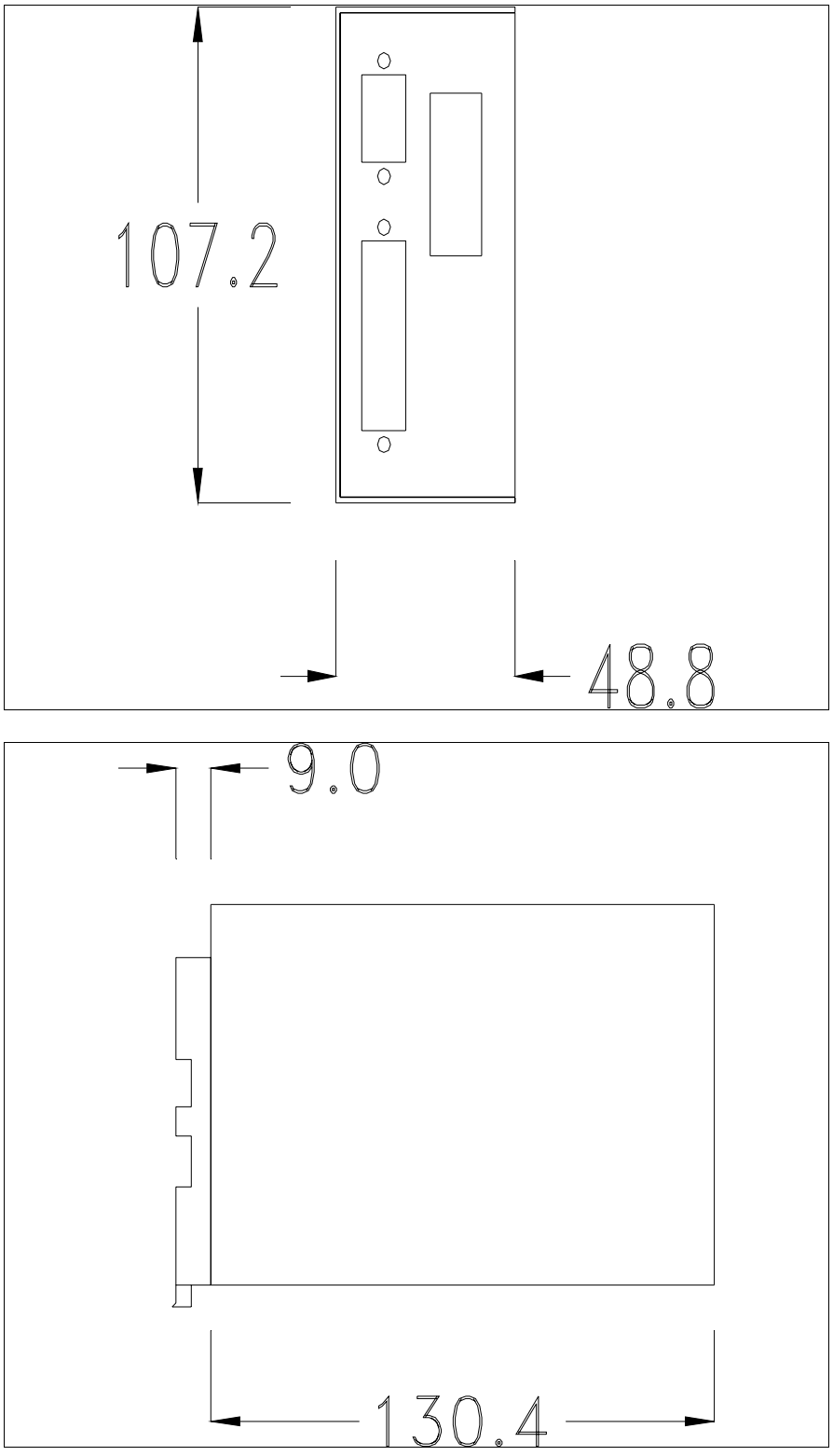
See “Chapter 2 -> Power Supply“ **for connecting the power supply.**

The connection to the PC uses the following cables.





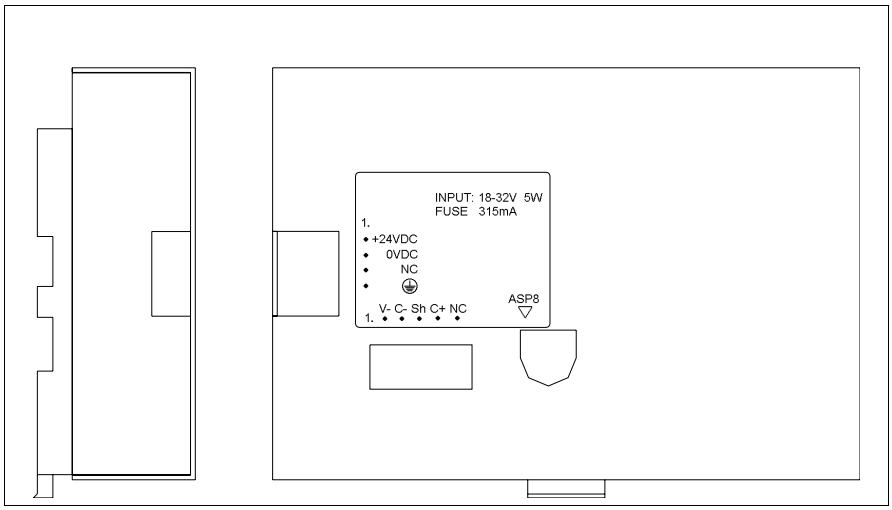
Dimensions:



Fixing the device:

Various ways of fixing the device are possible. For details see Page 34-32, Page 34-32 and Page 34-33.

Adapter for external CAN network



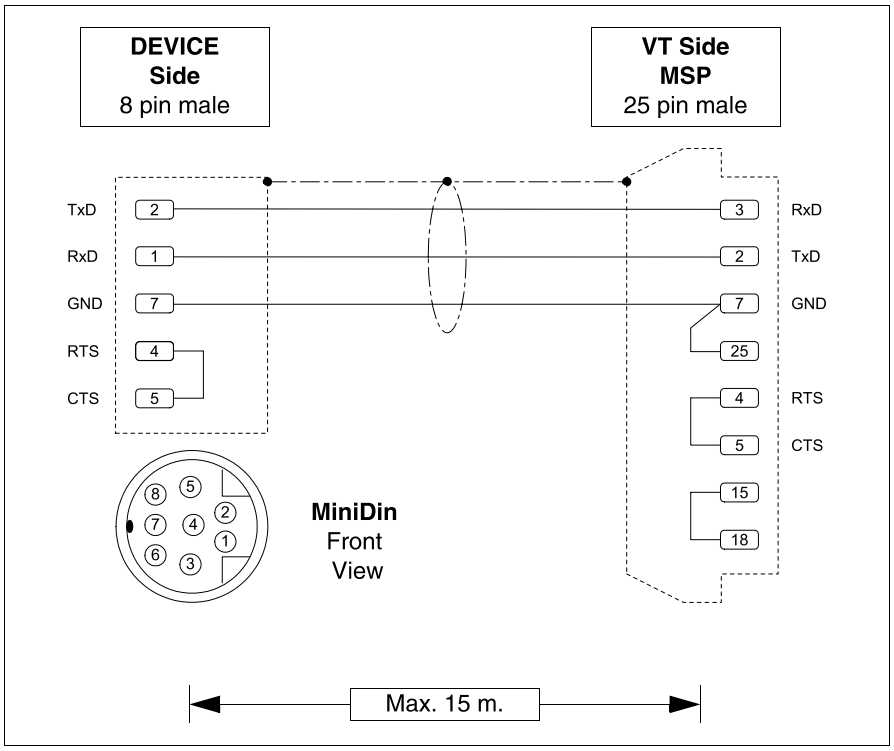
The table below lists the principal technical characteristics of the product under discussion.

Technical data	
Power supply	24Vdc (18..32Vdc)
Power absorbed at 24Vdc	5W
Protection level	--
Operating temperature	0..50°C
Storage and transportation temperature	-20..+60°C
Humidity (non-condensing)	85%
Weight	580gr
Dimensions	
External W x H x D [mm]	152,4 x 107,2 x 31,7
Cut-out W x H [mm]	--

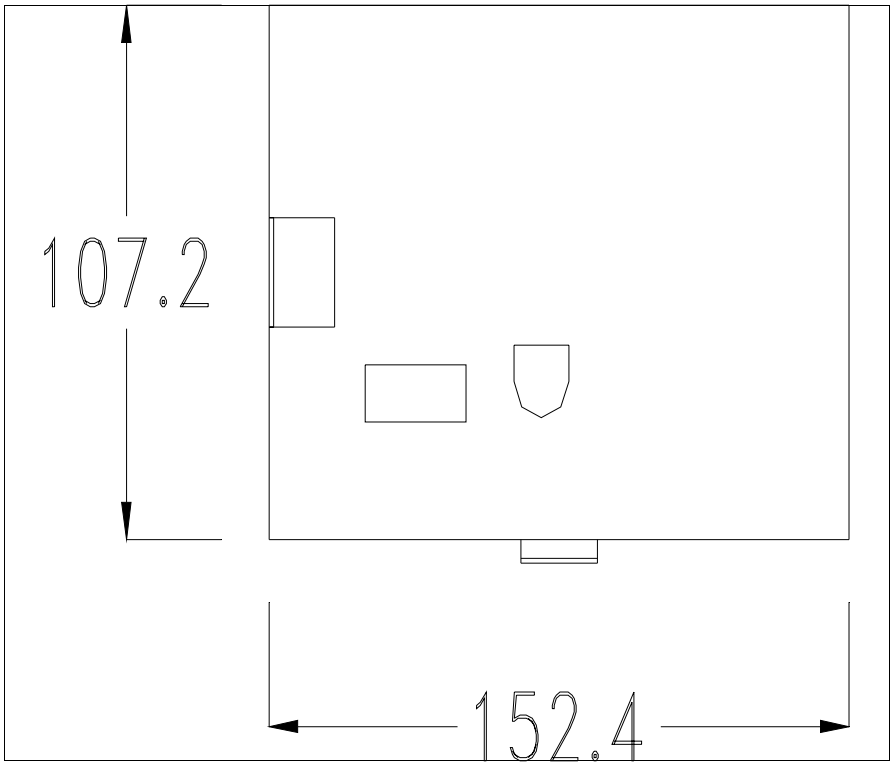
The above adapter makes it possible to connect several terminals in a CAN network. For further details regarding the connect in network of the terminals see “Chapter 35 -> Network connection“. The adapter is equipped with a Minidin 8 pin female ASP-8 connector (for details see “Chapter 31 -> ASP-8 serial port“) and a disconnectable 5 pin female terminal block for connecting the CAN network (optoisolated interface - see “Chapter 31 -> CAN port“).

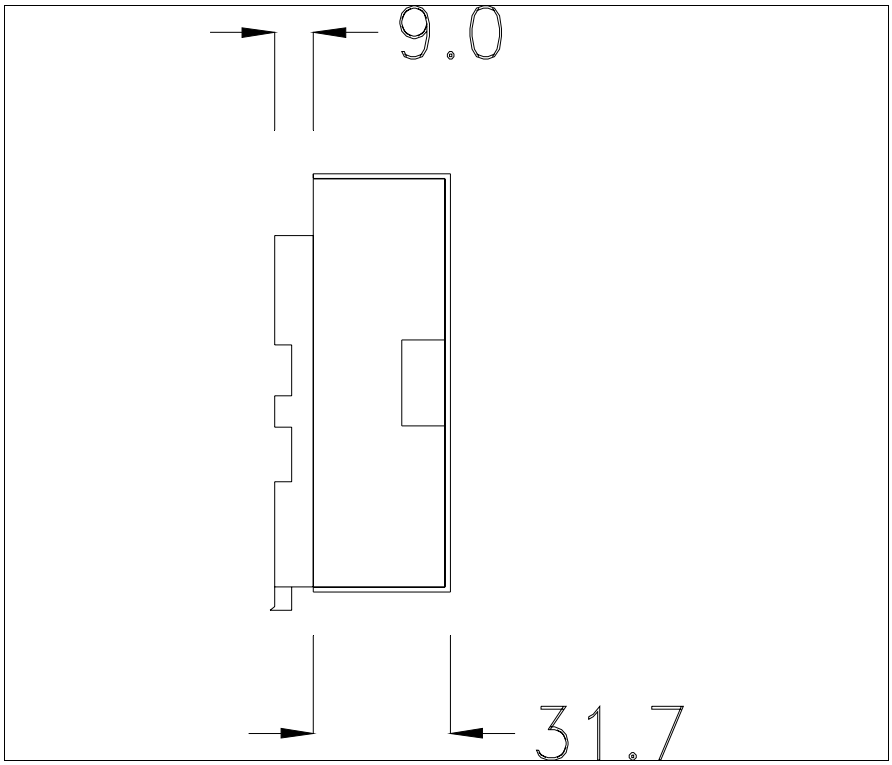
See “Chapter 2 -> Power Supply“ **for connecting the power supply.**

The connection to the VT uses the following cables.

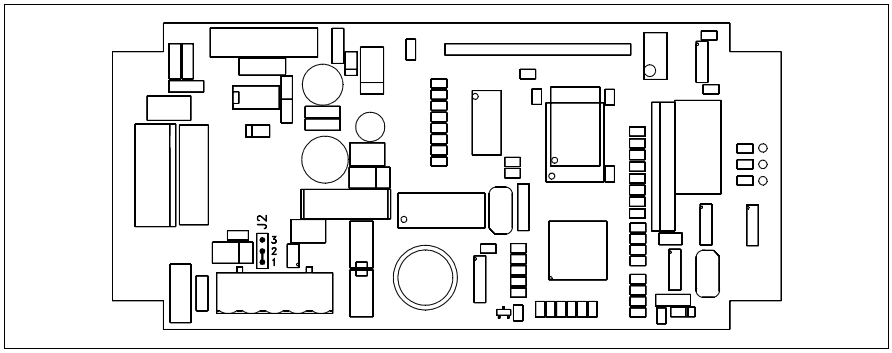

DEVICE
Side
8 pin male
VT Side
MSP
25 pin male
TxD
RxD
GND
RTS
CTS
2
1
7
4
5
3
2
7
25
4
5
15
18
RxD
TxD
GND
RTS
CTS
MiniDin
Front
View
Max. 15 m.

Dimensions:


107.2
152.4



Termination of CAN line:

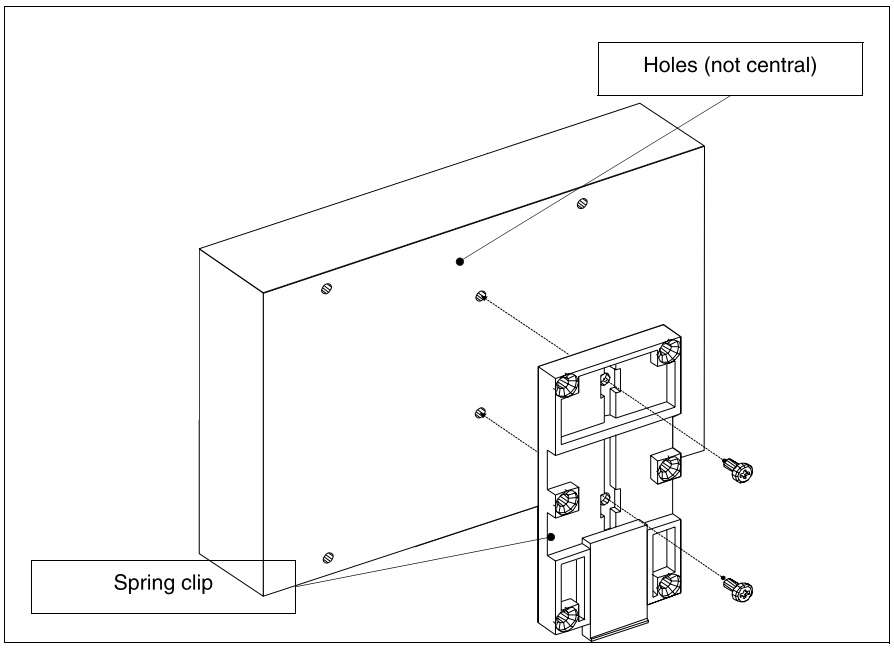


The device in question integrates the termination resistances of the serial line (typically 120 ohms) which can be inserted by means of a jumper (pre-set on 1-2, line not terminated). To activate the termination:

- Make sure the device is not connected to the power supply.
- Remove the cover.
- Identify the jumper unit J2.
- Position the jumper between pins 2 and 3 (line terminated).
- Replace the back cover.
- Reconnect the power supply.

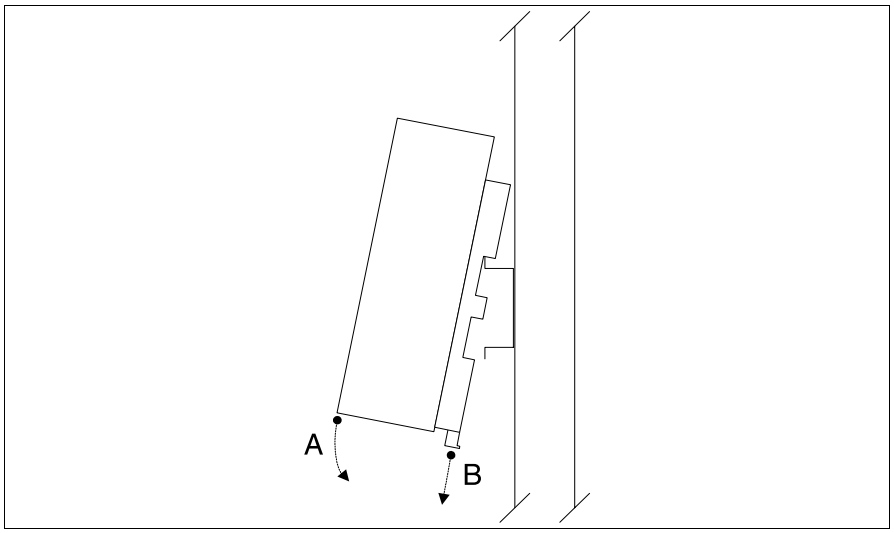
Securing the DIN rail mounting plate:

The device is supplied with a special molded plate for attaching to the DIN rail. The following figure shows how to fit the plate to the device.



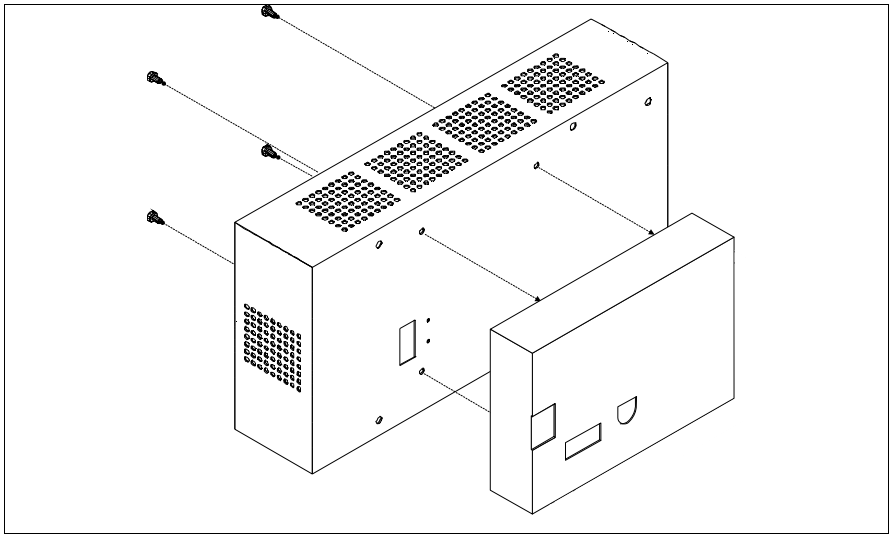
- Locate the two fixing holes.
- Position the device such that the holes are decentered towards the top
- Secure the mounting plate with the screws supplied keeping the spring-clip down.

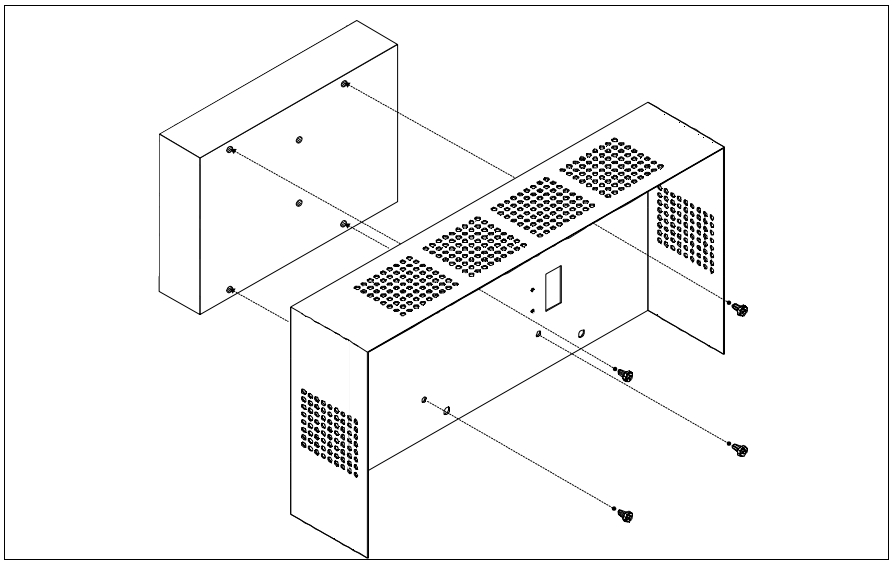
Attaching the device to the DIN rail:



- Once the mounting plate has been attached,
- Hook the upper part of the plate onto the DIN rail.
- Press the device in the direction indicated. (Arrow A)
- To make it easier to hook on, pull the spring-clip in the direction indicated. (Arrow B)

Fixing the device to the back cover:





- Check that the VT power supply is not connected.
- Remove the back cover.
- Attach the device as illustrated above using the appropriate screws supplied and making sure the direction is correct.
- Replace the back cover.
- Reconnect the VT power supply.