

AGNOSYS

PRODUCT SPECIFICATIONS

AGNOSYS Series F BR V1.0

BRF-10-FW-S0x

"Fire brigade tableau"

Text, illustrations and programmes have been prepared with the greatest care. However, the company Agnosys GmbH, translators and authors cannot accept any legal responsibility or any liability for any remaining incorrect information and its consequences.

This publication is protected by copyright. All rights reserved. No part of this book may be reproduced in any form by photocopy, microfilm or other process or transmitted into a language usable by machines, in particular data processing systems, without the prior written permission of Agnosys GmbH. The rights of reproduction by lecture, radio and television are also reserved.

This documentation and the associated software are protected by copyright of Agnosys GmbH.

© Copyright 2022 Agnosys GmbH

Agnosys GmbH	Date:	30.05.2022	Title: BRF-10-FW-S0x Project: A9888-A007 AGF BR V1.0	Pages 1
	Version:	01.13		
	Edited by:	MAR		
	Audited by:	-		
	Reviewed by:	-		

1 History

Date	Editor	Description
10.06.2014	MAR	First version
27.10.2014	LG	Typing errors, uniformity
07.07.2015	LG	Updating signalling
11.05.2016	MAR	Div. technical changes
17.05.2016	MAR	Assembly drawings/assembly completed
25.10.2016	MAR	Protection class, temperature added
11.11.2016	LG	Update figures; release status
12.11.2016	MAR	Assembly drawing/assembly 4x3 completed
12.03.2021	SPA	Recording mask 1x1 and 2x2 added
10.06.2021	LG	Revision and improvements
30.05.2022	FL	Surface-mounted box
22.07.2022	MAR	Adaptation of the assembly instructions

2 Content

1 HISTORY	2
2 CONTENT	2
3 GENERAL INFORMATION	3
3.1 BRF-10-FW-S-01 "SYSTEM"	5
3.2 BRF-10-FW-S-02 "SHEV SECTION"	6
3.3 BRF-10-FW-S-03 "DBA SECTION"	6
3.4 BRF-10-FW-S-04 "DBA COMPONENT"	7
3.5 BRF-10-FW-S-05 "RECORDING MASK 3x3"	8
3.6 BRF-10-FW-S-06 "RECORDING MASK 4x3"	8
3.7 BRF-10-FW-S-08 "COVER PLATE"	9
3.8 BRF-10-FW-S-08-43 "COVER PLATE FOR MOUNTING MASK 4x3"	9
3.9 BRF-10-FW-SW-A-01 "CUSTOMISED FWT SECTION"	9
3.10 BRF-10-FW-S-11 "RECORDING MASK 1x1"	9
3.11 BRF-10-FW-S-22 "RECORDING MASK 2x2"	10
3.12 BRF-10-FW-S-10 "SURFACE-MOUNTED DISPLAY BOX"	10
4 ASSEMBLING THE TABLEAU COMPONENTS	11
5 MOUNTING	12
5.1 CONTROL CABINET MOUNTING BRF-10-FW-S-05 (DOOR)	12
5.2 CONTROL CABINET MOUNTING BRF-10-FW-S-06 (DOOR)	12
5.3 CONTROL CABINET MOUNTING BRF-10-FW-S-11 (DOOR)	13
5.4 CONTROL CABINET MOUNTING BRF-10-FW-S-22 (DOOR)	14
5.5 WALL-MOUNTED BRF-10-FW-S-05 (INCL. SURFACE-MOUNTED BOX)	15
5.6 WALL-MOUNTED BRF-10-FW-S-06 (INCL. SURFACE-MOUNTED BOX)	15
5.7 WALL-MOUNTED BRF-10-FW-S-11 (INCL. SURFACE-MOUNTED BOX)	16
5.8 WALL-MOUNTED BRF-10-FW-S-22 (INCL. SURFACE-MOUNTED BOX)	16

3 General information



The modular fire brigade tableau with different insertion modules

The AGNOSYS Series F BR V1.0 fire panel has been developed with the following aspects in mind:

- Technical standardisation of normative requirements
- Cable saving
- Simple design and commissioning
- Simple operation

Up to 4 fire brigade attack points can be integrated per system and master controller (BRC-10-M). A maximum of 16 recording masks can be managed in the system and per fire panel. Different sizes of masks are available (from 1 field to max. 12 fields).

The system components and insertion modules of the fire service control panel:

- | | |
|---------------------|---|
| • BRF-10-FW-S-01 | Module „System“ |
| • BRF-10-FW-S-02 | Module „RWA Section“ |
| • BRF-10-FW-S-03 | Module „DBA Section“ |
| • BRF-10-FW-S-04 | Module „DBA Component“ |
| • BRF-10-FW-S-11 | Recording mask 1x1 (1 recording field) conventional |
| • BRF-10-FW-S-22 | Recording mask 2x2 (4 recording fields) |
| • BRF-10-FW-S-05 | Recording mask 3x3 (9 recording fields) |
| • BRF-10-FW-S-06 | Recording mask 4x3 (12 recording fields) |
| • BRF-10-FW-S-10 | Recording mask Display |
| • BRF-10-FW-S-08 | Module „Cover plate“ |
| • BRF-10-FW-S-08-43 | „Cover plate“ 4x3 field |

The components are supplied with 24VDC and connected to the BRC-10-M via Ethernet. The respective cables should at least be designed in functional integrity E30. The type BRK-10-LAN-E60 is recommended as the Ethernet cable.

Exception: The recording mask 1x1 (BRF-10-FW-S-11) does not have an Ethernet coupler and can be wired conventionally

The individual modules are plugged into the bus coupler (contained in the LAN-capable surface-mounted box) and are screwed into the insertion mask using two screws.

Permitted ambient temperature:

0 - 55°C

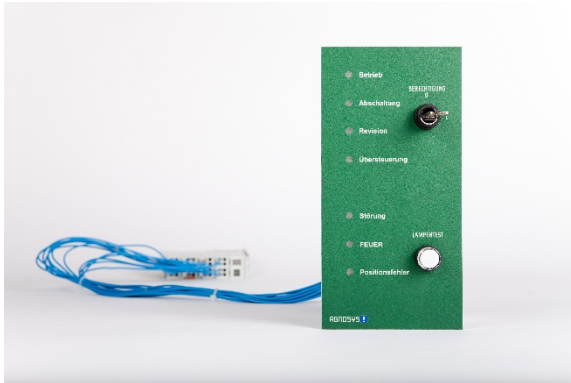
Permissible ambient humidity:

0 - 95% rel. humidity non-condensing

Protection class:

IP20

3.1 BRF-10-FW-S-01 „System“



The system panel provides the display of the system status. It also contains a button with which the lamp test can be carried out and the authorisation key switch. This prevents the panel from being overridden by unauthorised persons. It is recommended that the key for this is deposited in the fire brigade key safe of the relevant building.

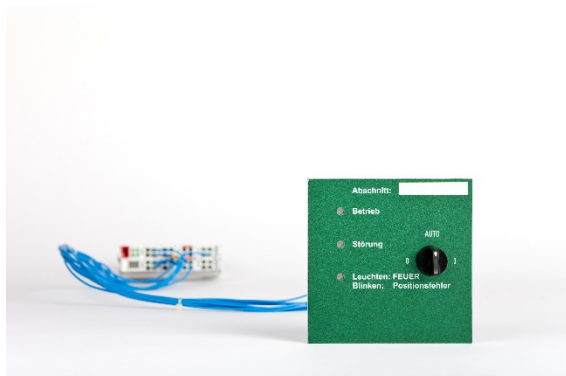
The following statuses are visualised (the colours of the LEDs are shown in brackets):

1. Operation (green)
2. Shutdown (yellow)
3. Revision (yellow)
4. Overdrive (yellow)
5. Malfunction (yellow)
6. Fire (red)
7. Position error (red)

Dimensions WxH [mm]: 100 x 200

Length of cable module -> bus terminal: approx. 700mm

3.2 BRF-10-FW-S-02 "SHEV section"



The "SHEV section" module displays the statuses of a BRA, BRV or BRE – section or the plant. Alternatively, it can also be used for DBA sections for damper override.

With the switch, it is possible to override the assigned section.

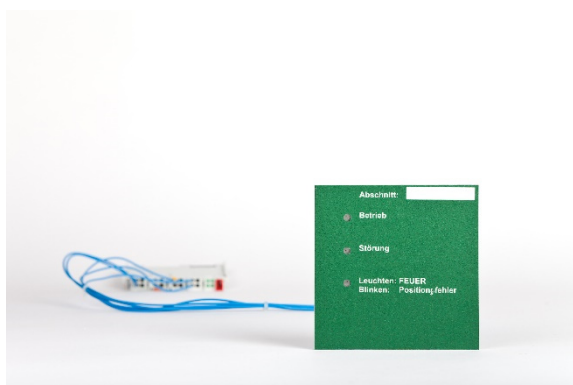
The following statuses are visualised (the colours of the LEDs are shown in brackets):

1. Ready for operation (green); Active (flashing green)
2. Malfunction (yellow flashing) / shutdown (yellow steady light)
3. Position error (red flashing) / fire (red steady light)

Dimensions WxH [mm]: 100 x 100

Length of cable module -> bus terminal: approx. 700mm

3.3 BRF-10-FW-S-03 "DBA Section"



The module "DBA Section" shows the statuses of a DBA section or a plant.

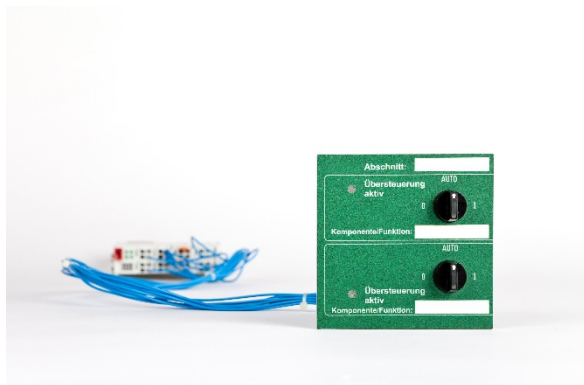
The following statuses are visualised (the colours of the LEDs are shown in brackets):

1. Operating (green); Active (flashing green)
2. Malfunction (yellow flashing) / shutdown (yellow steady light)
3. Position error (flashing red) / fire (solid red)

Dimensions WxH [mm]: 100 x 100

Length of cable module -> bus terminal: approx. 700mm

3.4 BRF-10-FW-S04 "DBA Component"



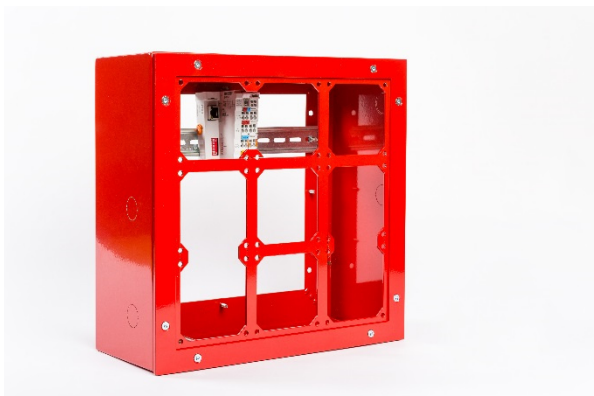
The "DBA Component" module can be used to override components (dampers, outlets, fans) of a DBA plant. The switching commands "0" and "1" mean closing or opening dampers or outlets or activating and deactivating a fan and its main dampers. The "Override active" LED indicates whether an override is active for the respective section.

1. Override (yellow steady light); malfunction (yellow flashing)

Dimensions WxH [mm]: 100 x 100

Length of cable module -> bus terminal: approx. 700mm

3.5 BRF-10-FW-S-05 „Recording mask 3x3“



The 3x3 recording mask offers space for up to 9 modules. It should be noted that the "System" module requires two slots. It also includes the bus coupler for integration into the AGNOSYS Series F BR V1.0 system and a termination terminal.

The second variant of the component, **BRF-10-FW-S-05-AP**, does not include a bus coupler or a termination terminal.

Dimensions WxHxD [mm]: 350 x 350 x 160 (with surface box)

3.6 BRF-10-FW-S-06 „Recording mask 4x3“



The 4x3 recording mask offers space for up to 12 modules. It should be noted that the "System" module requires two slots. It also includes the bus coupler for integration into the AGNOSYS Series F BR V1.0 system and a termination terminal.

The second variant of the component, **BRF-10-FW-S-06-AP**, does not include a bus coupler or a termination terminal.

Dimensions WxHxD [mm]: 450 x 350 x 160 (with surface box)

3.7 BRF-10-FW-S08 "Cover plate

The cover plate is used to close free module spaces. A cover plate can be used to cover a module slot.

Dimensions WxH [mm]: 100 x 100

3.8 BRF-10-FW-S-08-43 "Cover plate for mounting mask 4x3



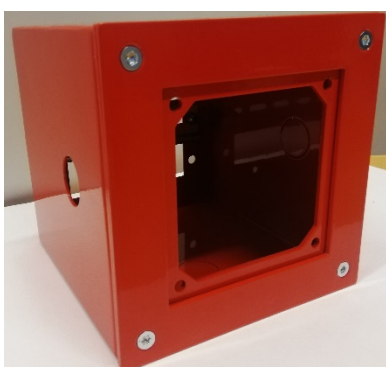
The cover plate is used to close an open 4x3 receptacle mask.

Dimensions WxH [mm]: 400 x 300

3.9 BRF-10-FW-SW-A-01 "Custom FWT Section"

The custom FWT section is a software licence that enables overriding of a section by means of any switch. One section can be overridden per licence.

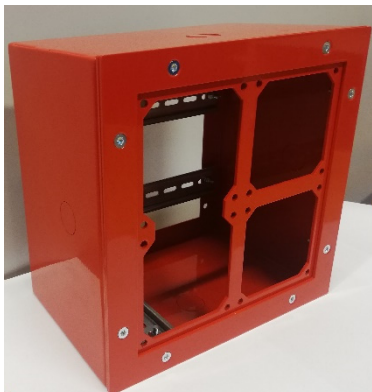
3.10 BRF-10-FW-S-11 „Recording mask 1x1“



The 1x1 recording mask offers space for a maximum of 1 module. It should be noted that the "System" module would require two slots. It does NOT include a bus coupler for integration into the AGNOSYS Series F BR V1.0 system.

Dimensions WxHxD [mm]: 150 x 150 x 160 (with surface box)

3.11 BRF-10-FW-S-22 „Recording mask 2x2“



The 2x2 recording mask offers space for up to 4 modules. It should be noted that the "System" module requires two slots. It also includes the bus coupler for integration into the AGNOSYS Series F BR V1.0 system and a termination terminal.

The second variant of the component, **BRF-10-FW-S-22-AP**, does not include a bus coupler or a termination terminal.

Dimensions WxHxD [mm]: 250 x 250 x 160 (with surface box)

3.12 BRF-10-FW-S-10 "Surface-mounted box display"



The surface-mounted box BRF-10-FW-S-10 for display masks for mounting on the wall. It does not contain a bus coupler or termination terminal.

For wall mounting instructions, see "5.6 Wall mounting BRF-10-FW-S-06".

Dimensions WxHxD [mm]: 450 x 350 x 150

4 Assembling the tableau components

When assembling the components for the fire panel (BRF-10-FW-Sxx), make sure that the pluggable bus terminals are connected to the bus coupler in a specific order. This enables an exact assignment of the contacts of the individual messages and switch inputs in the software tool "AGNOSYS Commander" afterwards.

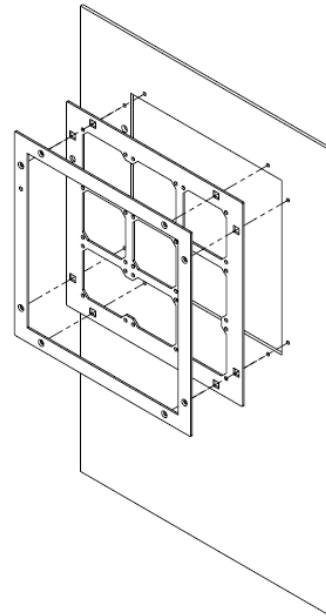
The following procedure must be followed: Arrange the individual Bus Terminals in columns and rows in the same way as the top view of the fire panel. A termination terminal must be provided as the last terminal!

The individual Bus Terminals must be connected to each other before mounting on the top-hat rail and then snapped onto the top-hat rail together. - The Bus Terminals must be pushed together from behind. Make sure that all terminals audibly snap into place.

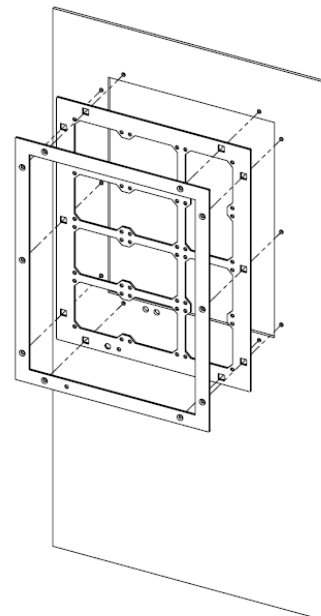
Example for illustration (top view of the fire brigade tableau):

Type: BRF-10-FW-S01 Sequence on the bus coupler: 1	Type: BRF-10-FW-S02 Sequence on the bus coupler: 2	Type: BRF-10-FW-S02 Sequence on the bus coupler: 3
	Type: BRF-10-FW-S02 Sequence on the bus coupler: 4	Type: BRF-10-FW-S02 Sequence on the bus coupler: 5
Type: BRF-10-FW-S03 Sequence on the bus coupler: 6	Type: BRF-10-FW-S04 Sequence on the bus coupler: 7	Type: BRF-10-FW-S04 Sequence on the bus coupler: 8

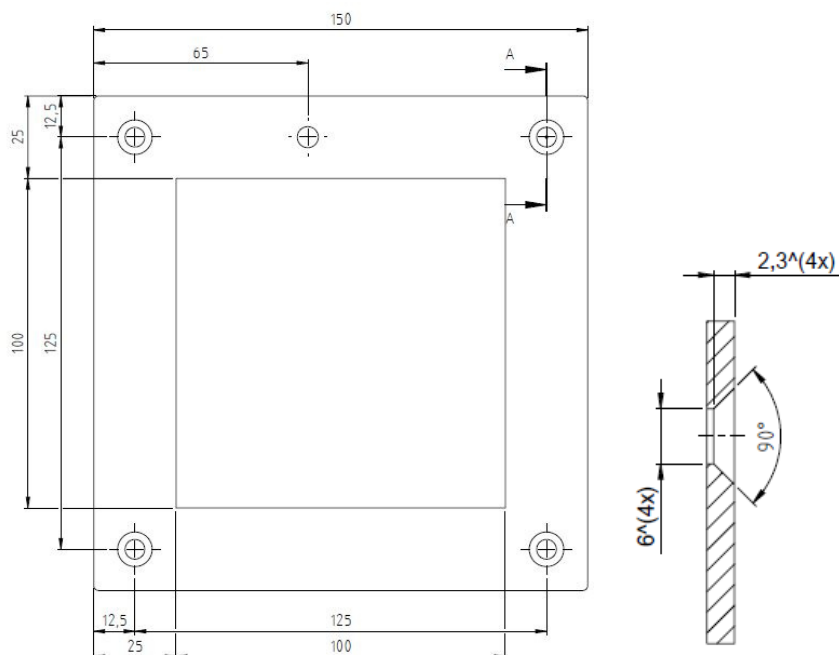
5.1 Control cabinet mounting BRF-10-FW-S-05 (door)



5.2 Control cabinet mounting BRF-10-FW-S-06 (door)



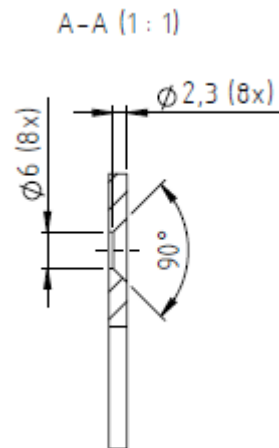
5.3 Control cabinet mounting BRF-10-FW-S-11 (door)



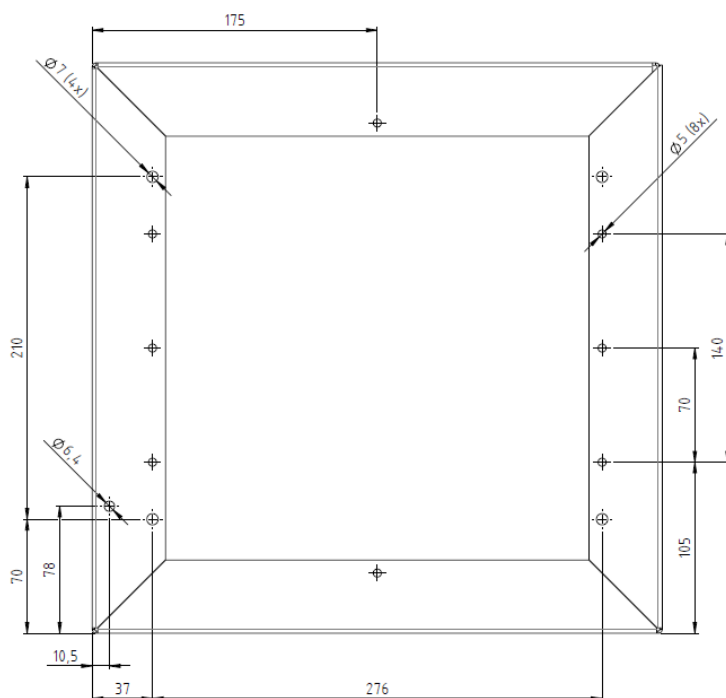
Proprietary data, company confidential. All rights reserved.
Confé à titre de secret d'entreprise. Tous droits réservés.
Comunicado como segredo empresarial. Reservados todos os direitos.
Confidado como secreto industrial. Nos reservamos todos los derechos.

Wetergabe sowie Vervielfältigung dieser Unterlage, Verwertung und Mitteilung ihres Inhalts nicht gestattet, soweit nicht ausdrücklich zugestanden. Zuwiderhandlungen unterliegen den gesetzlichen Bestrafungen. Rechte der Erfindung sind vorbehalten. Sonstige Rechte der Erfindung sind vorbehalten.

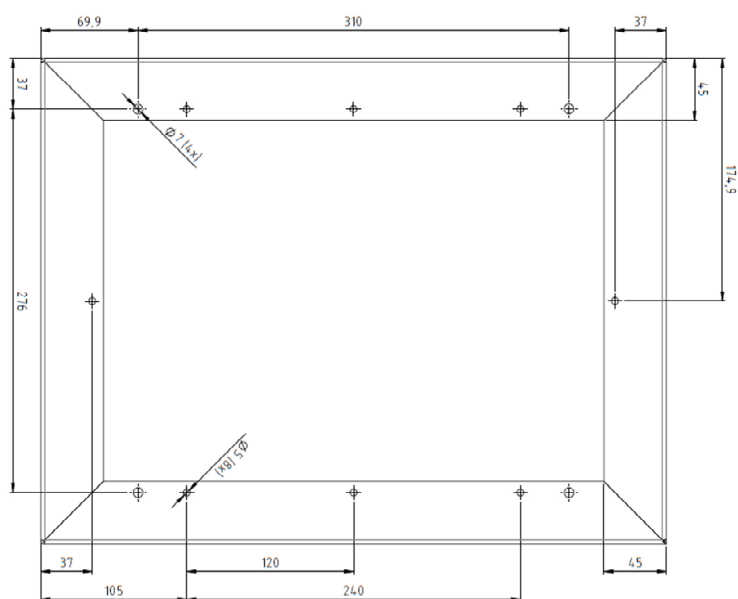
Technical drawing of a rectangular plate with dimensions and hole locations. The overall dimensions are 250 mm in width and 200 mm in height. The plate has a central rectangular area of 200 mm by 145 mm. There are eight holes in total, arranged in two rows of four. The top row of holes is located 12,5 mm from the top edge, and the bottom row is located 25 mm from the bottom edge. The holes are spaced 52,5 mm apart horizontally. The distance from the left edge to the first hole in each row is 25 mm. The distance from the right edge to the last hole in each row is 14,5 mm. A section line A-A is shown, indicating a cross-section through the plate.



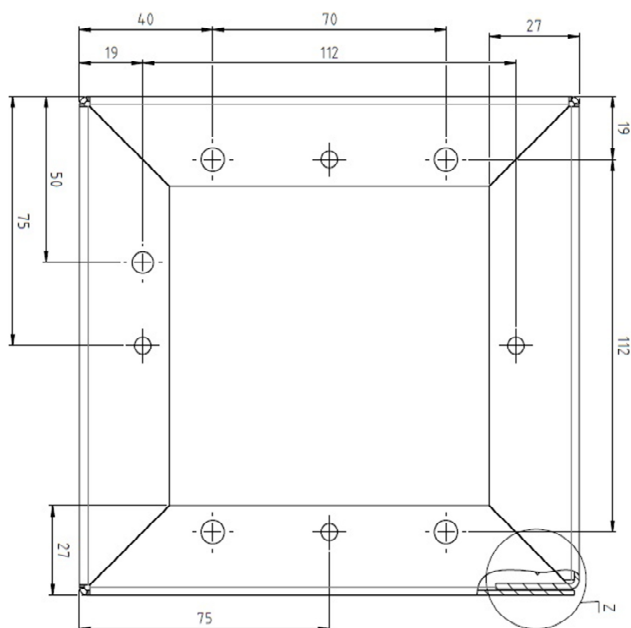
5.5 Wall mounting BRF-10-FW-S-05 (incl. surface box)



5.6 Wall mounting BRF-10-FW-S-06 (incl. surface box)



5.7 Wall mounting BRF-10-FW-S-11 (incl. surface box)



5.8 Wall mounting BRF-10-FW-S-22 (incl. surface box)

