

Secure monitor housing

Two design variants

Large selection of decors and colours





Fire hazard due to unprotected monitor





Fire protection in harmony with customer information systems

Monitors have become the norm in hotels, museums, public buildings, universities, hospitals, colleges, train stations and airports, as well as in event buildings or the foyers of office buildings.

They inform passers-by and visitors. Often, these information systems are to be installed in areas that serve wholly or partly as prescribed escape routes.

According to building law, the use of the escape route must be possible for a sufficient length of time in the event of a fire. To ensure this, fire protection regulations may prevent the installation of monitors.

Background: Monitors are electrical components that pose a high risk potential in escape routes. Defects can quickly cause a fire and the fire loads can thus contribute to unacceptable smoke development.

The Solution – Monitor housing PRIODIS

The German Model Building Code §14 (Fire Protection) and §40 (Piping Systems) stipulate that the spread of fire and smoke must be prevented and that piping systems in escape routes are only permissible if their use is ensured for a sufficient length of time in the event of fire.

PRIODIS offers comprehensive protection.

PRIODIS is an enclosure made of non-combustible fire protection panels and glazing. This completely encloses the monitors and prevents both smoke and fire from escaping from the enclosure in the event of a fire.

A safety glass (PRIODIS Basic) or fire-resistant glazing (PRIODIS 30) ensures high-contrast image reproduction from any viewing angle and protects the monitors from dust, dirt and vandalism.

This means comprehensive safety for the use of monitors in public spaces.

PRIODIS is suitable for enclosing LED, LCD and plasma screens.

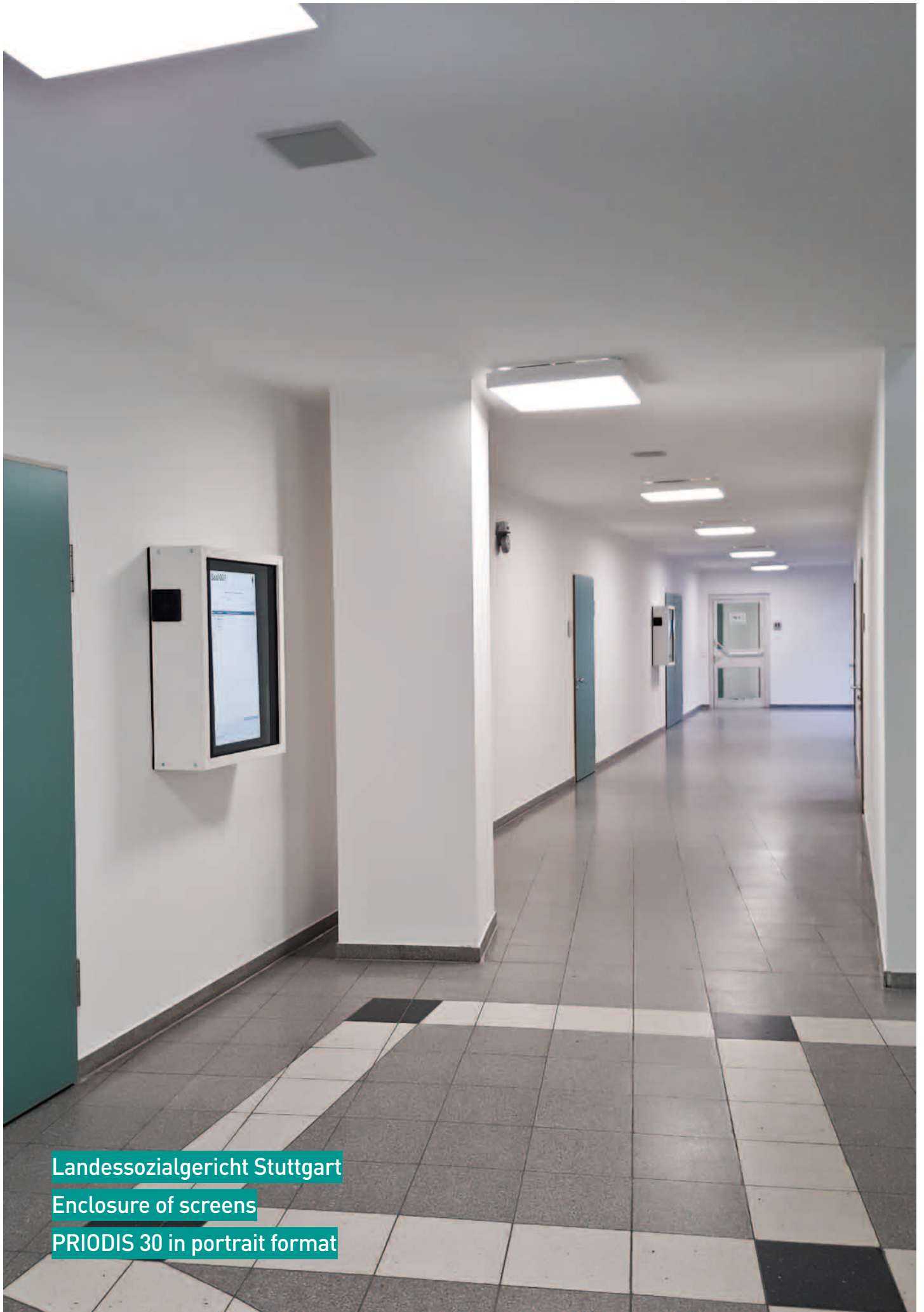




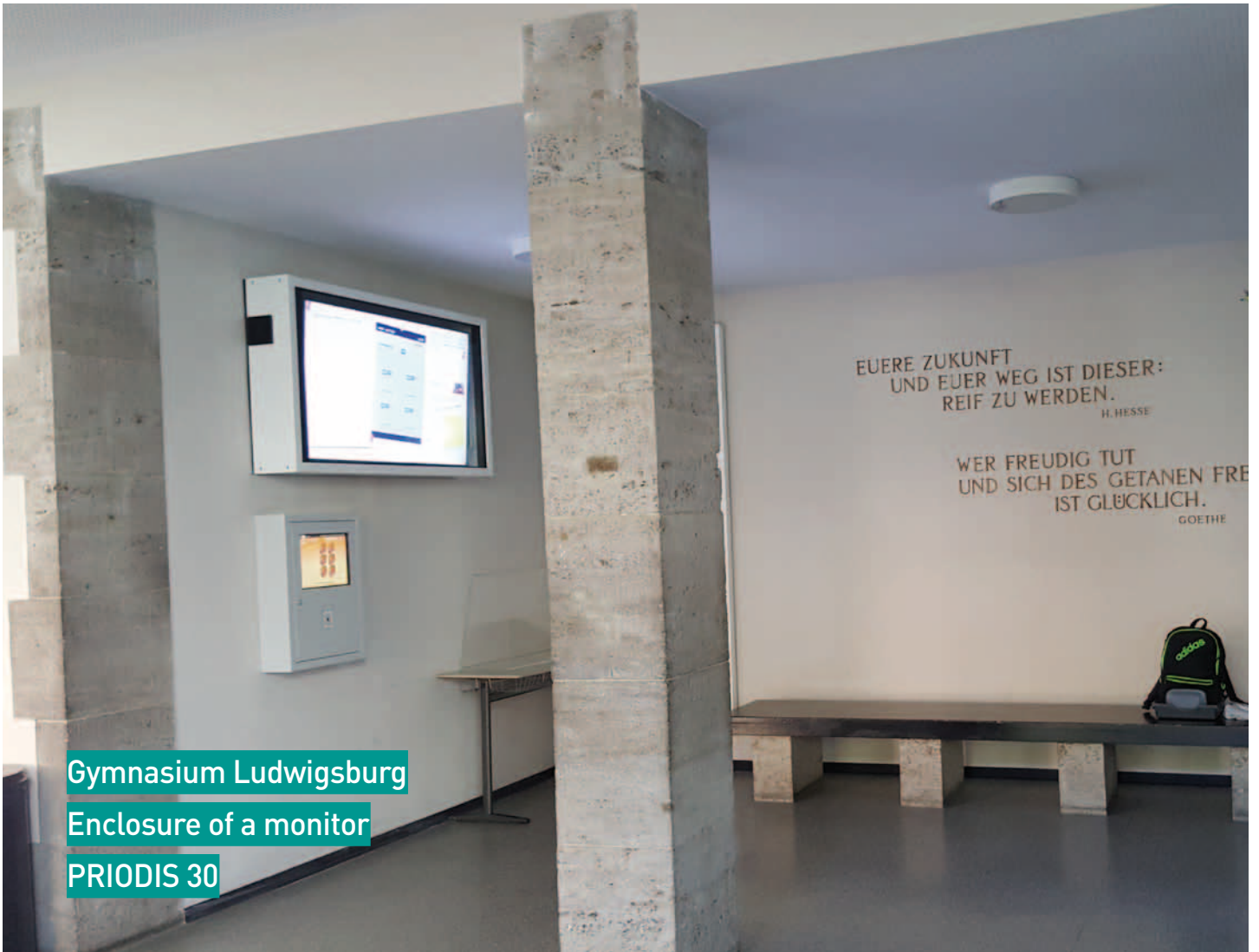
**Abstract from the Model Building Code (MBO)
Section 14:**

Buildings and structures ... are to be arranged, built, modified and maintained so that the development of fire and the spread of fire and smoke (...) is prevented. Section 40 adds: "Wiring systems [and equipment] are permitted in required stairwells (...) and in required corridors only if they can be used as rescue routes for a sufficiently long period in case of a fire."

[Version 2002, last modified 27.09.2019]



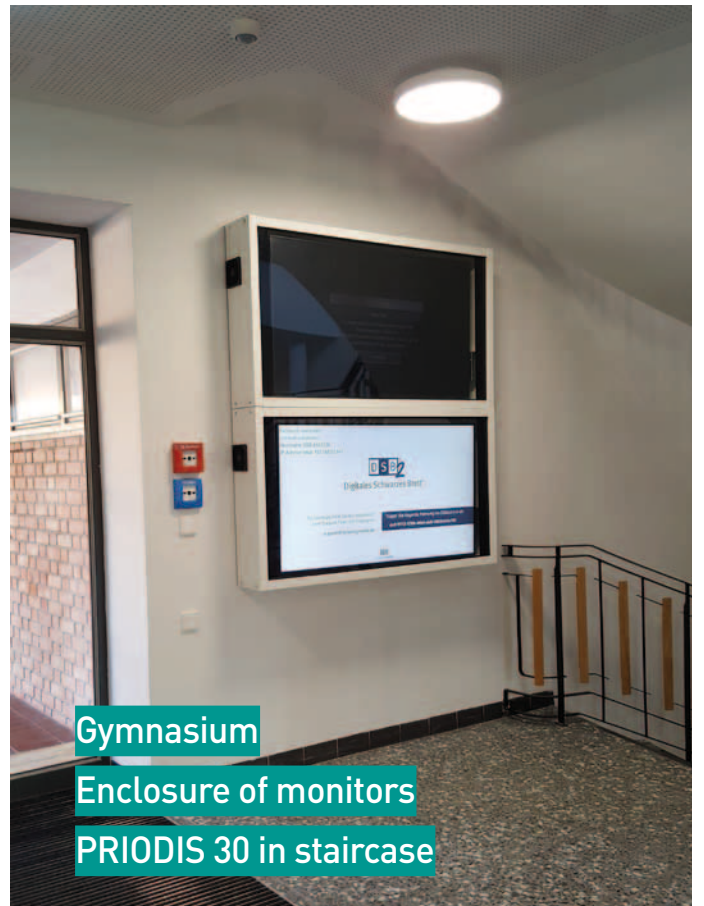
Landessozialgericht Stuttgart
Enclosure of screens
PRIODIS 30 in portrait format



Gymnasium Ludwigsburg
Enclosure of a monitor
PRIODIS 30



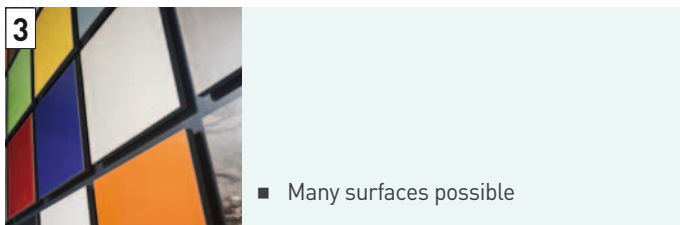
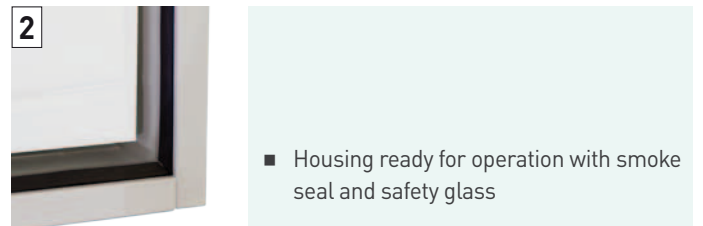
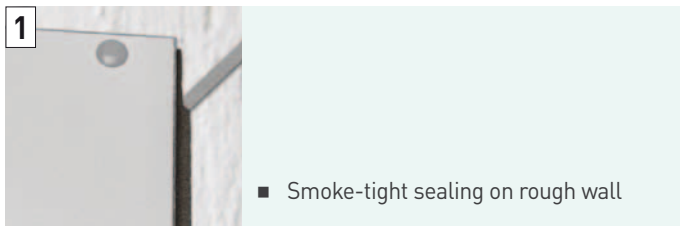
SWR Funkhaus Stuttgart
Enclosure of monitors
PRIODIS Basic in basalt grey



Gymnasium
Enclosure of monitors
PRIODIS 30 in staircase

Secure monitor housing

PRIODIS Basic



Material + Decor
A2 Class

Non-combustible
Components and composites, including surfaces, have been tested and classified according to EN 13501-1

Smoke Protection
min leakage

Smoke protected
construction products have a elastic smoke seal and a fire protection seal that automatically expands in the event of a fire

The enclosure consists of non-combustible fire protection panels as well as safety glazing and completely encloses the monitors. The out-break of fire or generation of smoke is prevented, as no oxygen after-flow is not possible.

A natural fire test provided evidence of this.

Function

- Tested fire protection
- Natural fire test
- Smoke protection
- Encapsulation of fire load
- Protection against vandalism

Construction

- Housing made of non-combustible fire protection panels with easy-care surface
- Brilliant, tempered safety glass
- Cable entry with fire protection seal
- Simple installation
- Horizontal and vertical installation possible

Material characteristic






- Non-combustible board with surface coating, classification A2 - s1, d0
- Standard colour white - similar to RAL 9016

Scope of delivery

- Housing kit with safety glass
- Mounting bracket with mounting material
- Installation template
- Installation Instruction

Options and accessories

- All PRIORIT surfaces
- Rear wall for PRIODIS Basic

Art.	 H x W x D mm	 max. H x W x D mm [Zoll*]		 P _{Vmax} = W	 kg
PRIODIS Basic					
DIS0032-046-076-19	504 x 804 x 215	460 x 760 x 195 [32"]	■	45	34
DIS0040-057-095-19	614 x 994 x 215	570 x 950 x 195 [40"]	■	63	46
DIS0046-064-108-19	684 x 1124 x 215	640 x 1080 x 195 [46"]	■	76	55
DIS0055-075-127-19	794 x 1314 x 215	750 x 1270 x 195 [55"]	■	97	69
Made to measure					
DIS-SAF	min. 344 x 300 x 100 max. 1100 x 1900 x 225	max. 1056 x 1856 x 205	■		k.A.

You can find the tender text at: www.priorit.de

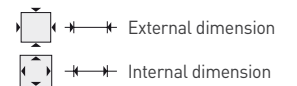
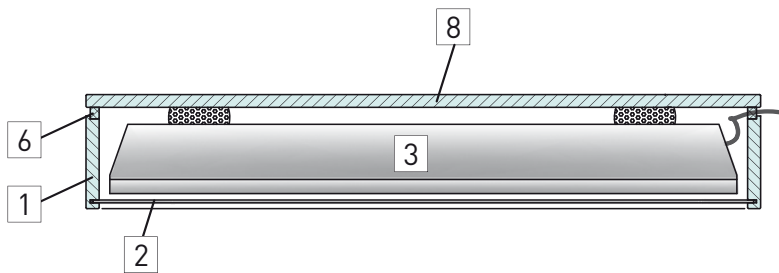
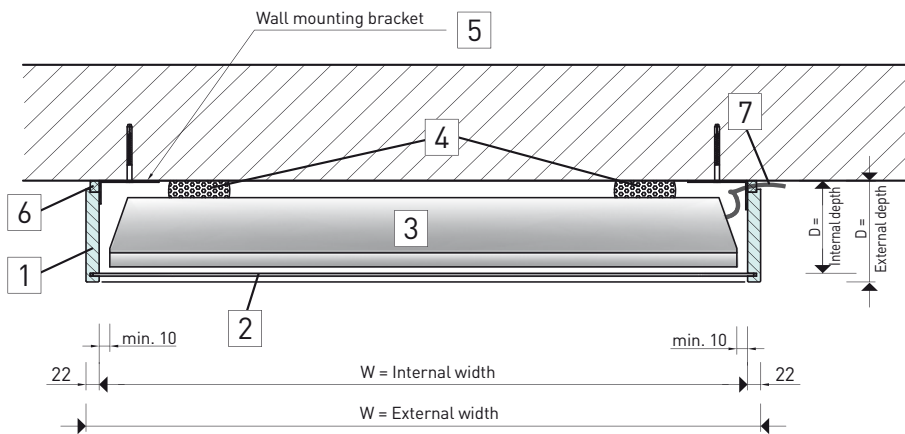
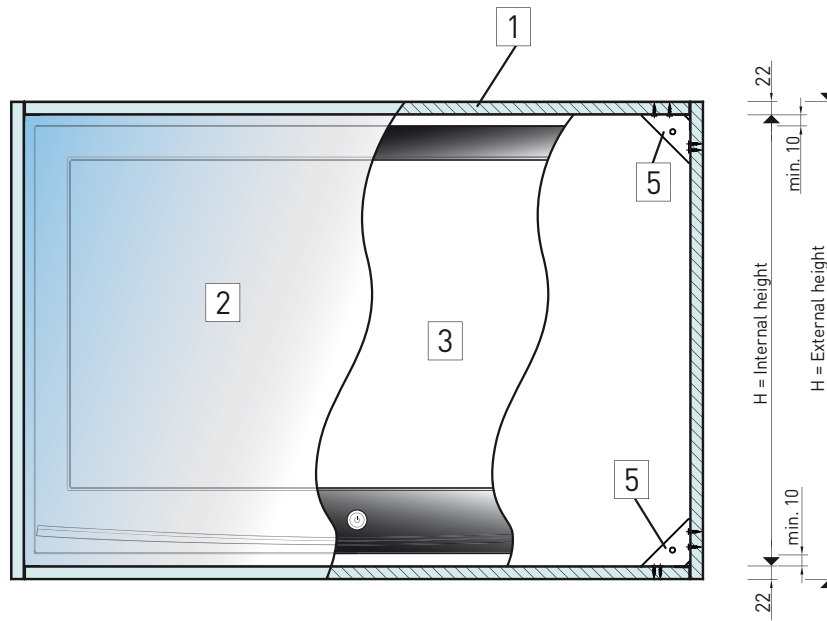
* Follow manufacturer's instructions.

P_{Vmax} Maximum energy discharge in watts, for a maximum ΔT of 10K inside/outside. Example: Inside: 34 °C, outside: 24 °C



Maximum monitor sizes (inch - visible screen size)

Secure monitor housing PRIODIS Basic



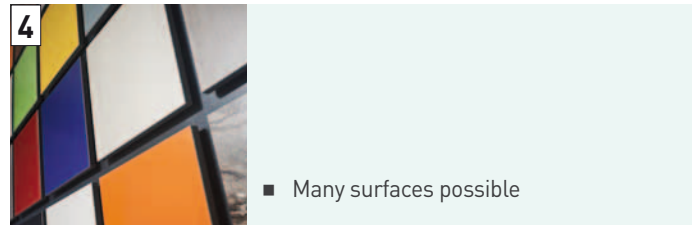
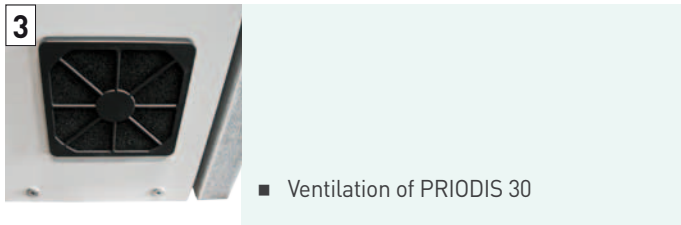
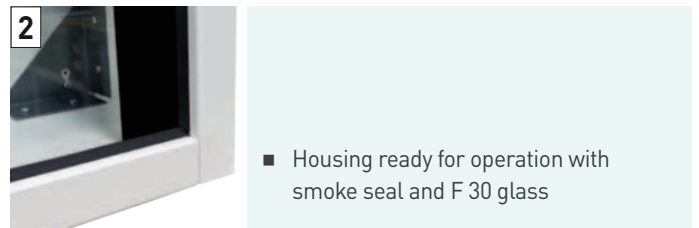
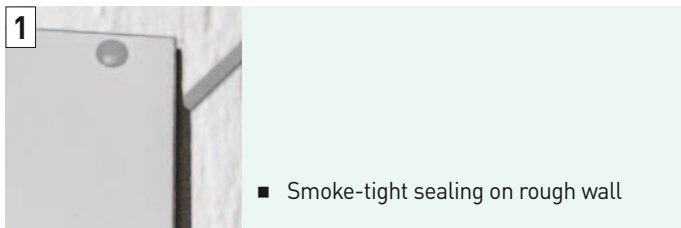
- 1 Housing
- 2 Safety glass
- 3 Monitor (not included)
- 4 Distance buffer
- 5 Fixing bracket
- 6 Flexible fire and smoke seal, circumferential
- 7 Cable entry up to \varnothing 10 mm
- 8 Additional rear wall

Options and accessories

Art.	Accessories	 H x W x D mm
Rear wall for PRIODIS Basic		
DIS0032-RW	Rear wall suitable for: DIS0032-046-076-19	504 x 804 x 22
DIS0040-RW	Rear wall suitable for: DIS0040-057-095-19	614 x 994 x 22
DIS0046-RW	Rear wall suitable for: DIS0046-064-108-19	684 x 1124 x 22
DIS0055-RW	Rear wall suitable for: DIS0055-075-127-19	794 x 1314 x 22

Secure monitor housing

PRIODIS 30



Fire Resistance 30 Min.

Fire retardant to establish a fire resistance of 30 minutes

Material + Decor A2 Class

Non-combustible Components and composites, including surfaces, have been tested and classified according to EN 13501-1

Smoke Protection min leakage

Smoke protected construction products have a elastic smoke seal and a fire protection seal that automatically expands in the event of a fire

The enclosure consists of non-combustible fire protection panels and fire-resistant glazing. PRIODIS 30 completely encloses the monitors, thus preventing smoke or fire from escaping. The housing offers fire resistance for up to 30 minutes.

Function

- Tested fire protection for monitors
- Fire resistance 30 min, fire-retardant
- Smoke protection
- Encapsulation of fire load
- Protection against vandalism

Construction

- Monitor operation without smoke and fire hazard
- Housing made of non-combustible fire protection panels with easy-care surface
- Cable entry with fire protection seal
- Simple installation
- F30 glass
- Technical ventilation

Material characteristic





- Non-combustible board with surface coating, classification A2 - s1, d0
- Standard colour white - similar to RAL 9016

Scope of delivery

- Housing kit with F 30 glass
- Mounting bracket with mounting material
- Installation template
- Installation Instruction

Options and accessories


- All PRIORIT surfaces
- Rear wall for PRIODIS Basic

Art.	 H x W x D mm	 max. H x W x D mm (Zoll*)	 P _{Vmax} = W	 kg
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PRIODIS 30

DIS3032-049-076-19	583 x 968 x 226	479 x 760 x 184 [32"]	70	54
DIS3040-057-095-19	654 x 1158 x 226	550 x 950 x 184 [40"]	84	67
DIS3043-060-100-19	684 x 1188 x 226	580 x 980 x 184 [43"]	71	73
DIS3046-064-108-19	724 x 1288 x 226	620 x 1080 x 184 [46"]	96	78
DIS3049-068-113-19	764 x 1320 x 226	660 x 1112 x 184 [49"]	91	89
DIS3055-075-127-19	834 x 1478 x 226	730 x 1270 x 184 [55"]	116	96


Made to measure

DIS30-SAF	 Landscape	min. 583 x 650 x 190 max. 1100 x 1900 x 226	max. 996 x 1692 x 184	k.A.
	 Portrait	min. 583 x 376 x 190 max. 1900 x 1100 x 226	max. 1796 x 892 x 184	k.A.

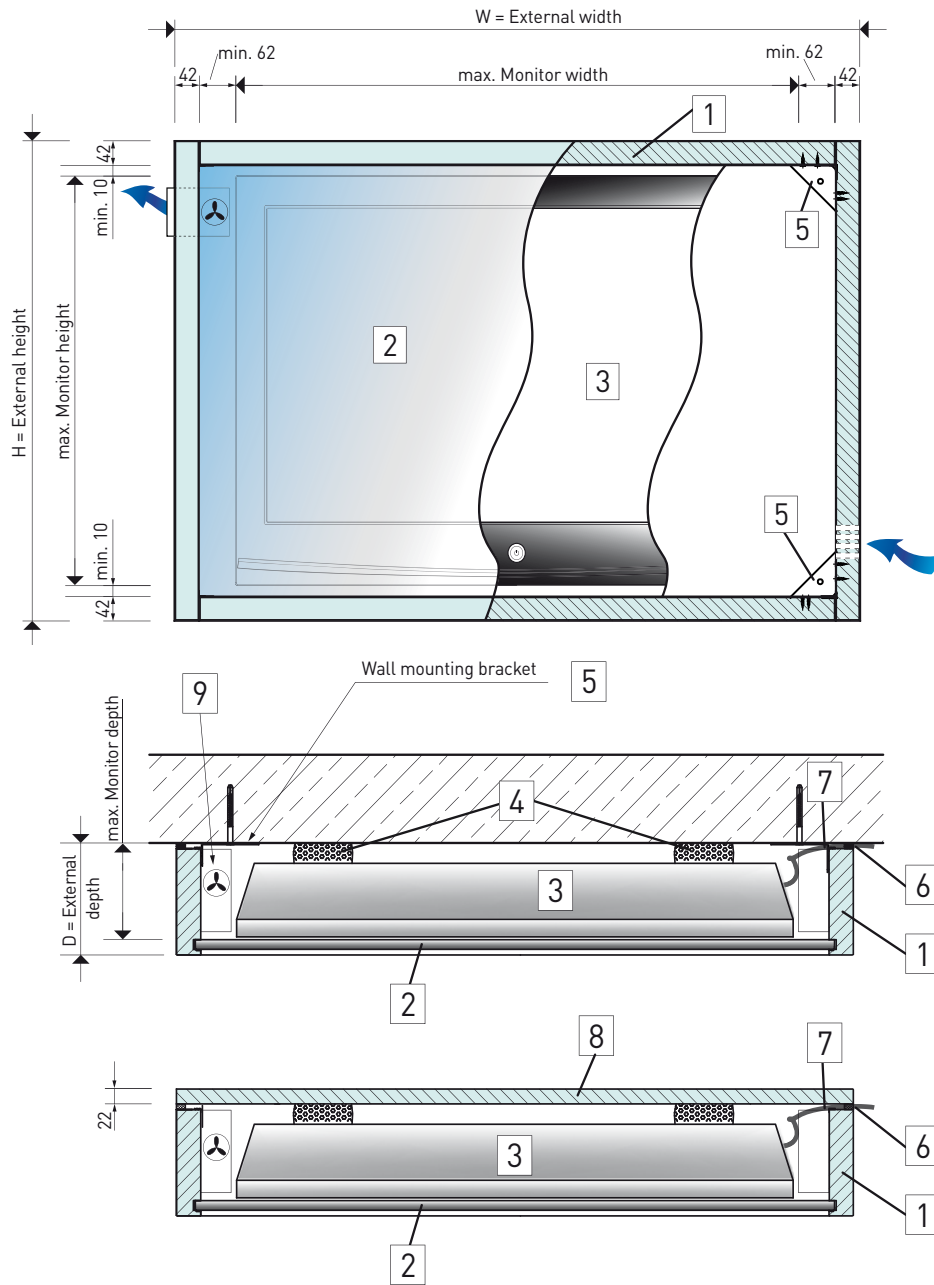
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 Maximum monitor sizes (inch - visible screen size)

Secure monitor housing PRIODIS 30



- 1 Housing
- 2 F30 Glas
- 3 Monitor (not included)
- 4 Distance buffer
- 5 Fixing bracket
- 6 Flexible fire and smoke seal, circumferential
- 7 Cable entry up to \varnothing 10 mm
- 8 Additional rear wall

9 Fan EBEL-VENT-KOMBI

Technical specifications EBEL-VENT-KOMBI	
Dimensions (H x W x D in mm)	135 x 95 x 45
max. air flow rate	4,73 m ³ /h
Weight	345 g
Housing material	ABS plastic material
Speed	ca. 4500 /min
Sound pressure level	1 m = 43 dB(A); 3 m = 39 dB(A)
LED-display	RED / fault - GREEN / operation
Voltage input	AC 230 V
Power consumption	2,04 W
Frequency	50 Hz

incl. power cable and plug

Options and accessories

Art.	Accessories	 H x W x D mm
Rear wall for PRIODIS 30		
DIS3032-RW	Rear wall suitable for: DIS3032-046-076-19	583 x 968 x 22
DIS3040-RW	Rear wall suitable for: DIS3040-057-095-19	654 x 1158 x 22
DIS3043-RW	Rear wall suitable for: DIS3043-060-100-19	684 x 1188 x 22
DIS3046-RW	Rear wall suitable for: DIS3046-064-108-19	724 x 1288 x 22
DIS3049-RW	Rear wall suitable for: DIS3049-068-113-19	764 x 1320 x 22
DIS3055-RW	Rear wall suitable for: DIS3055-075-127-19	834 x 1478 x 22

Manufactory and Safety

Our ISO 9001 certification provides safety and peace of mind. All development and production processes of PRIORIT fire protection products comply with internationally recognized regulations. You can be assured of that! That is a certainty!

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