

AT series panels

Luminous display signs



AT series panels

Luminous display signs



Flush-mounting enclosure with aluminium bezel frame



Surface mounted aluminium enclosure

Device features

- Various screen/lens colours
- Long-lived LED technology
- Homogeneous illumination
- Lenses without screws at the front
- Standard wall boxes for
 - Flush mounting with aluminium bezel frame
 - Surface mounting and partially recessed surface mounting with aluminium enclosure
 - Ceiling mounting with aluminium enclosure
- Protection class IP40
- Max. wire cross section 2.5 mm²
- Individual labelling and coloured lenses on request

Application

Luminous display panels with information on room occupancy or usage indication in the medical sector and other industrial or building sectors. These signs are often located above the entry doors to prevent unintentional entry.

Description

The AT-series display panels may be equipped with different coloured lenses and text. Various types of enclosures and mounting options are available.

- **Flush mounting wall box with bezel frame**

The silver coloured anodized aluminium bezel frame (3 mm thick) extends the wall box by about 7 mm to cover the gap of the wall installation. The wall box itself is made of galvanized sheet steel. (1 mm thick).

- **Surface mounting enclosure**

Two silver coloured anodized aluminium enclosures are available for surface mounting. The surface enclosure may be mounted directly onto the wall thru the predrilled holes on the rear side of the enclosure. The partially recessed surface enclosure may be mounted using a standard circular 68 mm one-gang junction box for cavity wall installation. The coloured lenses can be slid into the box from the side and are secured by two screws on top of the enclosure.

- **Ceiling enclosure**

The silver coloured anodized aluminium enclosure may be mounted using a standard circular 68 mm one-gang junction box for cavity wall installation. The display panel has two luminous lenses which may be read from both sides when installed in a hallway. The coloured lenses can be slid into the box from the side and are secured by two screws on top of the enclosure.

Standards

- IEC/EN 61439-1, VDE 0660-600 part 1, low voltage switchgear assemblies
- IEC/DIN EN 60598-1, general requirements for lamps with electrical light source

Note

The AT-Series panels are not warning and safety lights according to DIN4844 or DIN EN ISO 7010, but the pictograms which are used do comply with these standards.

The AT-Series panels are no safety or emergency signs. They do not comply with local regulations for workplaces and their safety and health markings.

Typical Application

- Hospitals or doctor offices with
 - tomography-,
 - laser-
 - X-ray department
- Laboratories in the fields of
 - chemistry,
 - biology,
 - virology
- Technical testing laboratories
- Darkrooms
- Radio and recording studios
- Theatres and cinemas
- Conference and seminar rooms
- Waiting rooms
- Controlled areas

Typical individual lettering

- OP in use
- Laser On
- Caution X-Ray ON
- CT in use
- Contamination do not enter
- Controlled area no access
- Caution voltage
- Caution test running
- STOP
- Darkroom do not enter
- Taken
- Occupied
- Do not enter
- Recording
- On Air
- Quiet please
- Film running
- Please enter quietly performance running.
- Lecture has started
- Conference is ongoing
- Room in use
- Next please
- Please enter
- Radiation protection area
 - Do not enter
- Secure area
 - No access

Technical Data

Electrical data

Lamp type

LEDs	LED strip, 102 LEDs
LED colour	white

Supply

Voltage	AC 220...240 V, 47...63 Hz/DC 24 V
Power consumption	8.5 W

Connection

Conductor cross section	max. 2.5 mm ²
Protection class	earthed

Lenses/Screen

Colour	white, green, yellow, red, blue
Lettering	schwarz, opaque

Mechanical data

Flush mounting enclosure	(WxHxD) 339 x 182 x 73 mm
Bezel frame	(WxH) 350 x 195 mm, Stärke 3 mm
Weight	1820 g
Article No.	B22301032 ^{*)}

Surface mounting

1) for screw mounting to the wall	(WxHxD) 300 x 150 x 60 mm
Weight	940 g
Article No.	B22301038 ^{*)}
2) partially recessed surface mounting	(WxHxD) 300 x 150 x 40 mm
Junction box for cavity wall, drilling diameter	68 mm
Weight	940 g
Article No.	B22301030 ^{*)}
Ceiling enclosure	(WxHxD) 300 x 205 x 80 mm
Junction box for cavity wall, drilling diameter	68 mm
Weight	1060 g
Article No.	B22301031 ^{*)}

^{*)} Accessories required, please refer to the following page.

Overview of possible variations



Example:

Flush mounting enclosure, Article No. B22301032
with lens/screen Article No. B22302120

Mounting holes may be drilled into the sides or the rear as per site requirements.



Example:

Surface mounted enclosure, Article No. B22301038
with lense/screen Article No. B22302120

Mounting via predrilled holes at the rear side of the enclosure.



Example:

Partially surface mounting Article No. B22301030
with lens/screen Article No. B22302121

Mounting in a standard one-gang junction box for cavity wall installation. *)





Example:

Ceiling mounting in a one-gang junction box *) , Article No. B22301031
with two lenses/screens Article No. B22302121

Changing of the lens/screen on a surface and partially surface mounted and ceiling mounted panel.

*) The standard circular 68 mm one-gang junction box for cavity wall installation is not scope of delivery.

Accessories

Examples	Lenses	Art. no.
	"Röntgen" with pictogram, red	B22302120
	"Laser" with pictogram, yellow	B22302121
	Individual lens	(only on request) B22302122

Note: A ceiling mounted enclosure requires two lenses/screens !

Additional Information

Standard circular 68 mm one-gang junction box for cavity wall mounting is not included in delivery.



optec

energie ist messbar

Optec AG | Guyer-Zeller-Strasse 14 | CH-8620 Wetzikon ZH

Telefon: +41 44 933 07 70 | Telefax: +41 44 933 07 77

E-Mail: info@optec.ch | Internet: www.optec.ch



Bender GmbH & Co. KG

Postfach 1161 • 35301 Grünberg • Germany
Londorfer Straße 65 • 35305 Grünberg • Germany
Tel.: +49 6401 807-0 • Fax: +49 6401 807-259
E-Mail: info@bender.de • www.bender.de



BENDER Group