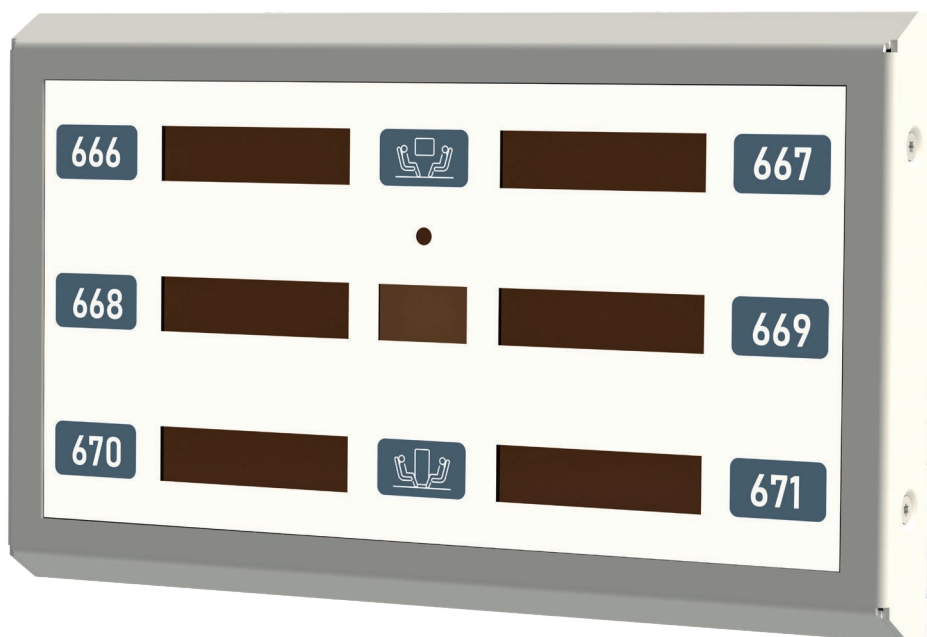




COMPARTMENT **OLED DISPLAY**

Seat Reservation System



DEVICE DESCRIPTION

The Compartment Display is designed for installation in compartment-type passenger coaches.

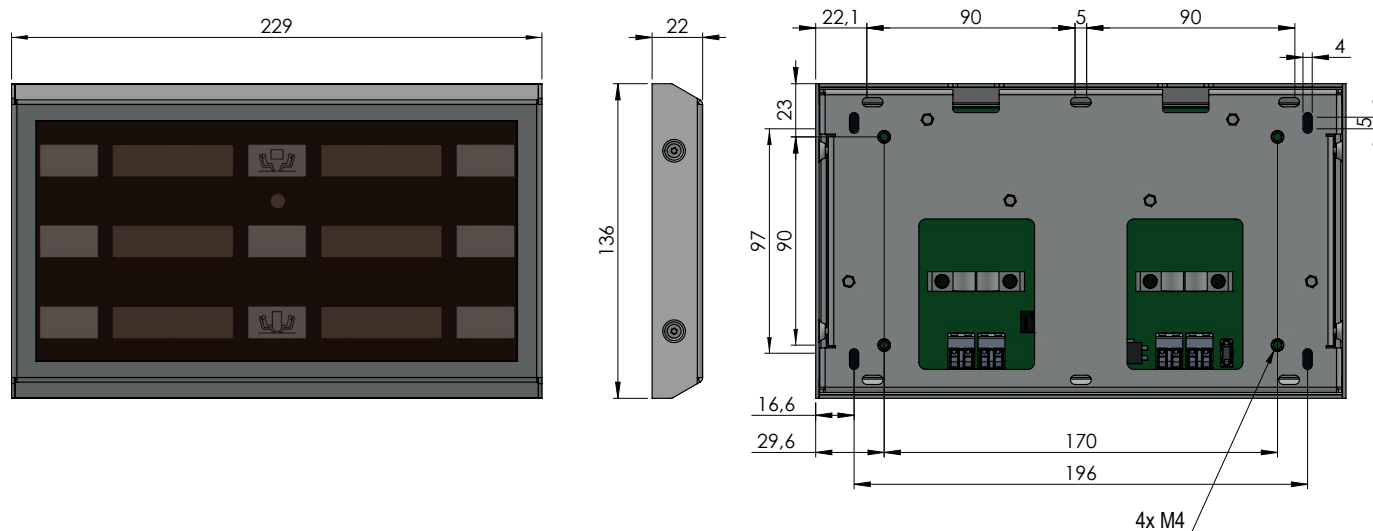
It is used to display seat occupancy information, separately for each of the six seats located in the compartment.

The display is equipped with a light sensor that allows for automatic brightness adjustment of the presented content.

The device does not feature any access buttons — all settings are managed via web applications.

FUNCTIONALITY

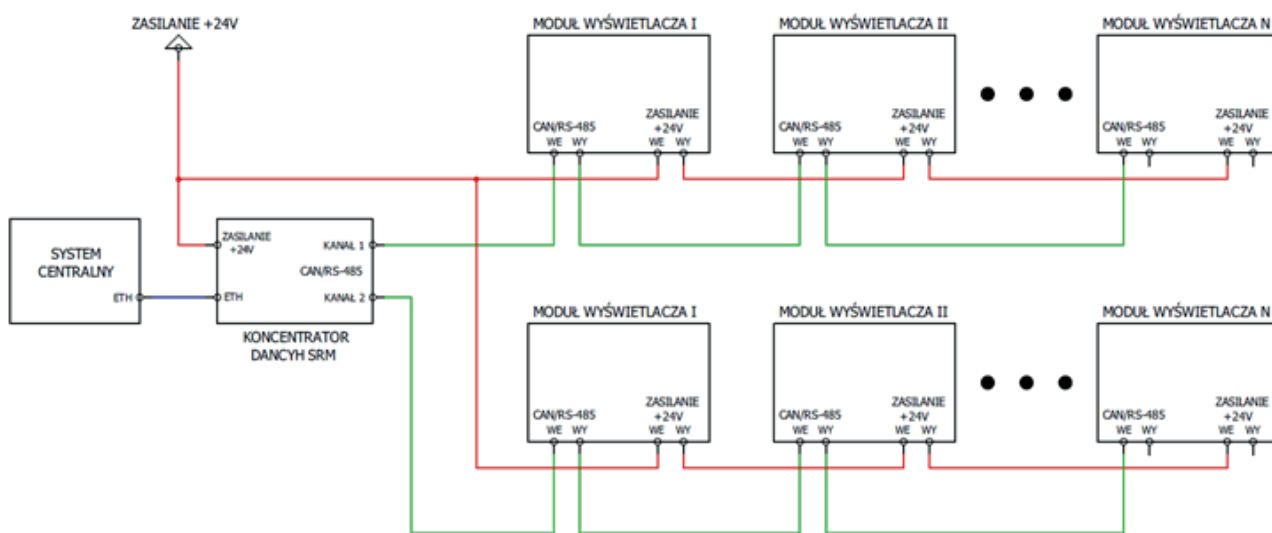
- ✓ Displays information for each seat
- ✓ OLED matrices with a resolution of 256×64
- ✓ The top line shows the departure station, and the bottom line shows the destination station for the seat reservation
- ✓ Additionally, illuminated fields are available for marking seat numbers in the compartment



TECHNICAL PARAMETERS

Napięcia zasilania nominalne	+ 24 V DC
Dopuszczalny przedział napięcia zasilania	+ 16.8 ÷ + 31.2 V DC
Max moc pobierana przez wyświetlacz	10W
Stopień szczelności	IP 20
Szyba ochronna	PMMA/PLEXI DYMNA 9T13 z nadrukiem
Ilość wyświetlaczy	6
Przekątna ekranu	2,08"
Typ wyświetlacza	OLED
Rozdzielczość obrazu	256 x 64 px
Wymiary ekranu pola aktywnego pojedynczego wyświetlacza (szerokość x wysokość)	51,18 x 12,78 mm
Rozmiar pixela	0,18 x 0,18 mm
Kolor	Niebieski z 16 stopniową skalą odcieni
Czujnik intensywności oświetlenia	Tak
Protokół komunikacyjny	UDP/TCP/IP
Obsługiwane interfejsy	RS485 – wersja 051-703-001 CAN – wersja 051-703-002
Zakres temperatur pracy	-30°C ÷ +50°C
Zakres temperatur przechowywania	-30°C ÷ +60°C
Wymiary szerokość/wysokość/głębokość	229 x 136 x 22 mm
Waga	0,3kg
MTBF	60 000 godzin

SEAT RESERVATION SYSTEM ARCHITECTURE



COMPLIANCE WITH STANDARDS:

- PN-EN 50155** Railway applications - Electronic equipment used on rolling stock
- EPN-EN 50121-3-2** Railway applications - Electromagnetic Compatibility
- EN 45545-2** Fire protection in rail vehicles. Part 2: Requirements for materials and components in the field of combustion properties of HL1 and HL2 HL3
- PN-EN 61373** Railway applications – Rolling stock equipment – Shock and vibration tests



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