

# TRANBERG® CONTROL PANEL

TEF 4720 navigation lights control panel, single lantern installation, 24V system

Safe Area



**Navigation lights control panel for the TEF 2840/TEF 2870 Lanterns, 24V power supply.**

Control panel series TEF 4720 are designed to switch and fuse navigation and signaling lights on all kinds of ships.

Panels are approved and certified by DNV. Panels are offered in three different versions, for 8, 12 and 16 lanterns.

## Application

- Navigation lights control panel for the TEF 2840/TEF 2870 Lanterns, 24V power supply

## Features and benefits

- For console mounting
- Easy installation (all terminals are separated from control box with a 1 meter flexible conduit)
- The lanterns are switched by two pole, rocker switches on the front panel.
- Dimmable LED's indicate when a lantern is on
- Visible and audible alarm.
- Voltage drop in long cable length can be a problem. This is compensated by connecting specific circuits to a higher voltage than 24V.
- Transformers delivered by R. Stahl Tranberg AS have output for six different voltages
- R. Stahl Tranberg AS can assist calculating voltage loss in cable to lantern.
- Equipped with an "alarm-relay" with potential free contact set for remote monitoring
- Test button for testing of LED's and acoustic alarm.

## Approvals and certificates

DNV Type Approval



## Technical Data

Material:	Black anodised aluminium. Engraved text.
Supply voltage:	2 x 24V AC/DC
Max. power consumption :	340 W (8 circuits), 500 W (12 circuits), 660 W (16 circuits)
Load:	Filament lamps / 24V 25-40W
Dimensions (8 circuits):	144 x 240 x 150 mm
Dimensions (12 & 16 circuits):	144 x 384 x 150 mm
Cut-out dimensions (8 circuits):	124 x 220 mm
Cut-out dimensions (12 & 16 circuits):	124 x 364 mm
Weight 8 circuits:	3,5 kg
Weight 12 circuits:	5,0 kg
Weight 16 circuits:	5,5 kg

TRANBERG STAHL

THE STRONGEST LINK.

## R. STAHL TRANBERG AS

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Description	Weight	Part No.
TEF 4720 Navigation Light Control Panel: 1x8 Circuits, Dim:144x240x150mm, 24VAC/DC	3,5 kg.	4720 010
TEF 4720 Navigation Light Control Panel: 1x12 Circuits, Dim:144x384x150mm, 24VAC/DC	5,0 kg.	4720 011
TEF 4720 Navigation Light Control Panel: 1x16 Circuits, Dim:144x384x150mm, 24VAC/DC	5,5 kg.	4720 012

Description Options and Spare Parts	Part No.
Main switch	5023 0082
Circuit switch	5023 0008
Test button	5023 0029
Potentiometer	5021 1023
Supply selector P-130 for TEF 4720 (24V)	4813
Relay card P131	3092
Power supply / alarm card P40	5029 0089
Monitoring card, 8 circuits. P41	2935
LED card P42	3029
LED card P43	4815
Buzzer P44	4814
Fused terminal block	5028 1172 + 3287



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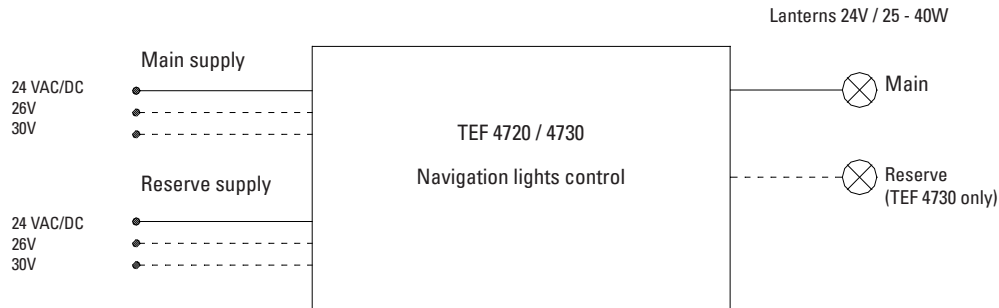
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## Dimensions & Wiring



Compensation of voltage drop in long cables.

The control panel is prepared to connect specific lantern circuits to a different voltage than 24 volt, for compensation of voltage drop in long cables. The transformers delivered by Tranberg A.S are arranged with output for six different voltages.

### NOTE:

Operational voltage must not exceed 24V. Use converter if required.

