

TRANBERG® COMMANDER

TEF 4900 Navigation Light System Control Module For LED Navigation Lights

Safe Area



Designed for control and monitoring of LED navigation and signal lights.
Delivered for 4 or 8 output circuits, 24V.

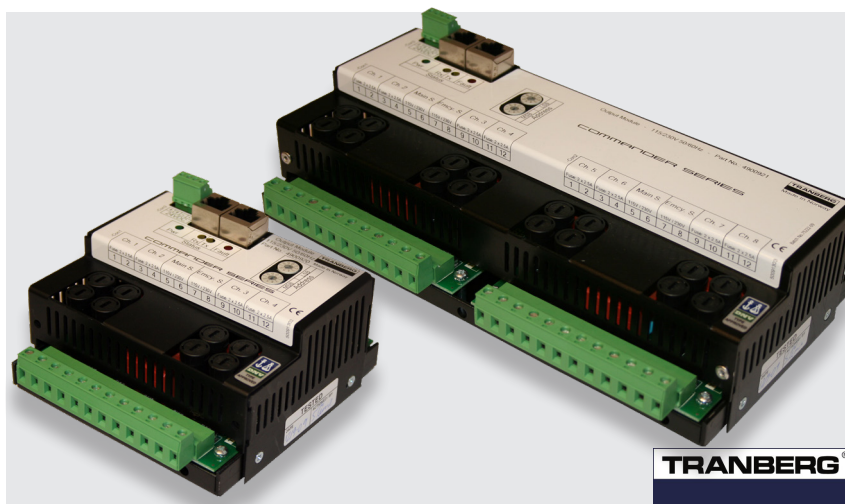
Features and benefits

- DIN rail mounting.
- 4 or 8 output circuits.
- 2-pole switching. Both poles fused.
- For connection of LED navigation and signal lights. Threshold current value: 34mA.
- Connected LED light must have built in life time control.
- Connected LED light must be self-monitored and if a failure arise, current must be reduced to <31mA.
- Lamp circuits galvanic isolated from control circuit.
- Local emergency switches for control of outputs.
- Connections for main and emergency supply to output circuits.
- Build-in snubber network which allows termination of a wide range of communication cable, 100-250ohm characteristic impedance. End resistors shall not be used.
- Current detection can be disabled on any circuit if a particular system does not require this feature.

Approvals and certificates

DNV Type Approval

CE-marking



Technical Data

Operating temperature:	-5° to +70°C
Ingress protection:	IP 20
Dimensions:	4900912: 120x120x80mm 4900913: 240x120x80mm
Weight:	4900912: 0.35 kg 4900913: 0.83 kg
Supply voltage:	18-32 V DC
Communication:	RS-485. Cable impedance 100-250ohm. End resistors shall not be used.
Power consumption:	4900912: Max. 0.2A @ 24 V DC 4900913: Max. 0.3A @ 24 V DC
Output Circuits Supply voltage:	24 VDC -25%/+30%
Load:	LED lights with built in monitoring and life time control. Current threshold – alarm: <31mA
Alarm threshold value:	34.4mA
Max. load per circuit:	20W
Fuses:	1.25 AT, 5x20mm

TRANBERG STAHL

THE STRONGEST LINK.

R. STAHL TRANBERG AS

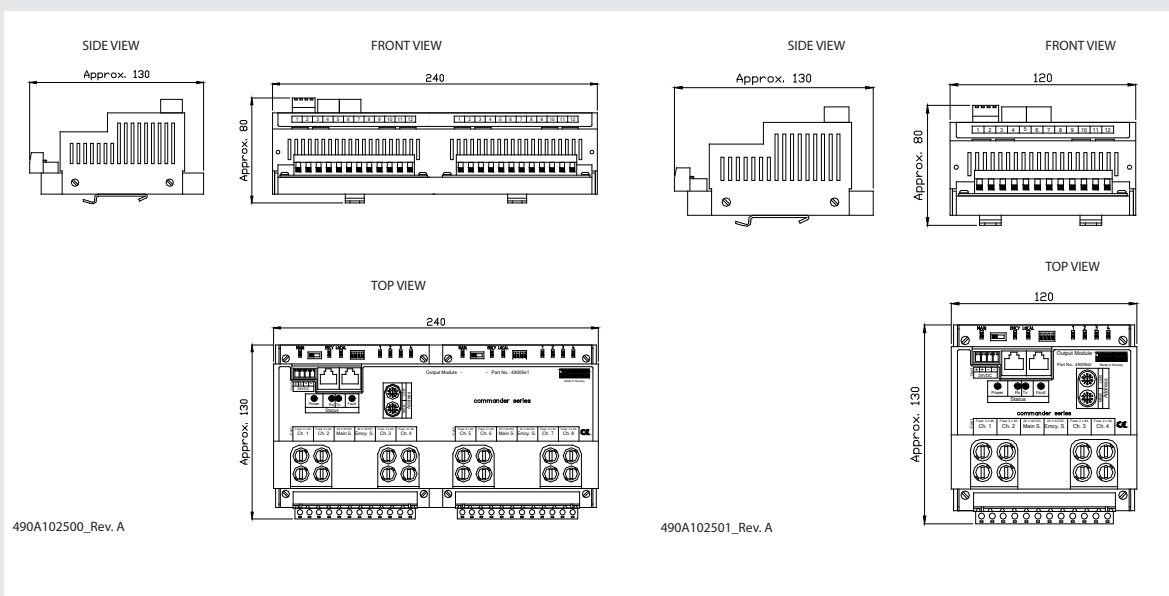
Main office | Strandsvingen 6 | N-4032 Stavanger, Norway | T +47 51 57 89 00 | E info.no-st@r-stahl.com | stahl-tranberg.com
Oslo office | Luhrtoppen 2 | N-1470 Lørenskog, Norway | T +47 24 08 44 10 | E info.no-os@r-stahl.com | stahl-tranberg.com

TRANBERG® COMMANDER

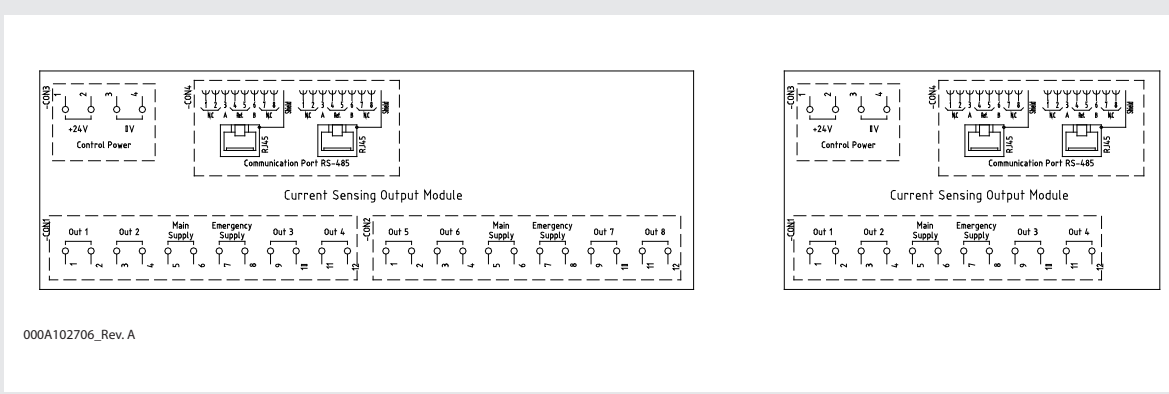
TEF 4900 Navigation Light System Fused Relay Output Module With Current Detection
Safe Area

Description	Part No.
4 output circuits, 24VDC	4900912
8 output circuits, 24VDC	4900913

Dimensions



Electrical Schematics



R. STAHL TRANBERG AS
 Main office | Strandsvingen 6 | N-4032 Stavanger, Norway | T +47 51 57 89 00 | E info.no-st@r-stahl.com | stahl-tranberg.com
 Oslo office | Luhrtoppen 2 | N-1470 Lørenskog, Norway | T +47 24 08 44 10 | E info.no-os@r-stahl.com | stahl-tranberg.com