



- Ready for installation; comes complete with control panel and enclosure with 8 outgoing circuits, B10A.
- Control panel may be mounted far away from the enclosure.
- Up to 7 control panels may be connected to the network, enabling control capabilities from each location.
- Common alarm on circuit breakers
- Naut-OSV alarm signalling towards brigade alarm handling system (BAMS etc.)
- Auto fallover to emergency power source accordingly to DNV Pt. 6 Ch. 1 Sec. 2 F503

MY R. STAHL T4500C



The TEF 4500 Commander Utility Helideck Lights Control System (HLCS) is a complete control system for all helideck lights. Based upon the Commander Utility technology, this control system allows the control panel to be installed in the bridge or radio equipment room, while the enclosure with all other necessary components may be installed further away. Between the cabinet and control panel a simple cable ensures that the industry-proven RS-485 network provides a reliable two-way communication.

The control panel includes 8 buttons that control the perimeter lights, floodlights and windsock lights. In addition the panel includes a main power button for the entire system, an alarm acknowledge button and a button to dim the backlight. Three spare buttons are available, which may be used if additional components are installed in the control enclosure. Power indicators for main and emergency supply. Customer-specific text on buttons is optional.

Among the unique features of the system is the capability of connecting several control panels to the network, enabling full control and monitoring from several locations. Optionally a gateway may be installed to provide two-way communications to an external control system (NMEA-0183 compliant/proprietary). Three additional contactors and circuit breakers are available to make full use of the 8 control buttons at the control panel.

TECHNICAL DESCRIPTION:

The HLCS features one alarm input, and the alarm signal handling towards the bridge follows the Naut-OSV standards. Once an alarm is registered in the HLCS (e.g. a tripped circuit breaker), the audible buzzer in the control panel will activate and a red led will flash. At the same time the Bridge Alarm Relay activates, providing a volt-free alarm signal that may be connected to the bridge alarm system. The alarm signal may be silenced in two ways; either by pressing the acknowledge button at the control panel or by providing a 24VDC signal to the Bridge Alarm Acknowledge input at the control electronics inside the enclosure. After the acknowledge signal is provided, a second relay, the Bridge Alarm Reset relay, is activated for a period of one second. This relay may be used to silence the alarm in the bridge alarm system in case the alarm was acknowledged at the control panel. The Bridge Alarm Relay will stay activated until the reason for the alarm is removed.

APPLICATIONS:

Control system for decklights, floodlights and windsock lights.

Technical Data

Electrical Data

Connection	RS-285
Auxiliary Power	
Power supply	Double 220 ... 240 V AC

TRANBERG Solutions
Helipad Commander Utility
Helideck lighting Control system
TEF4500303 Art. No. 263001



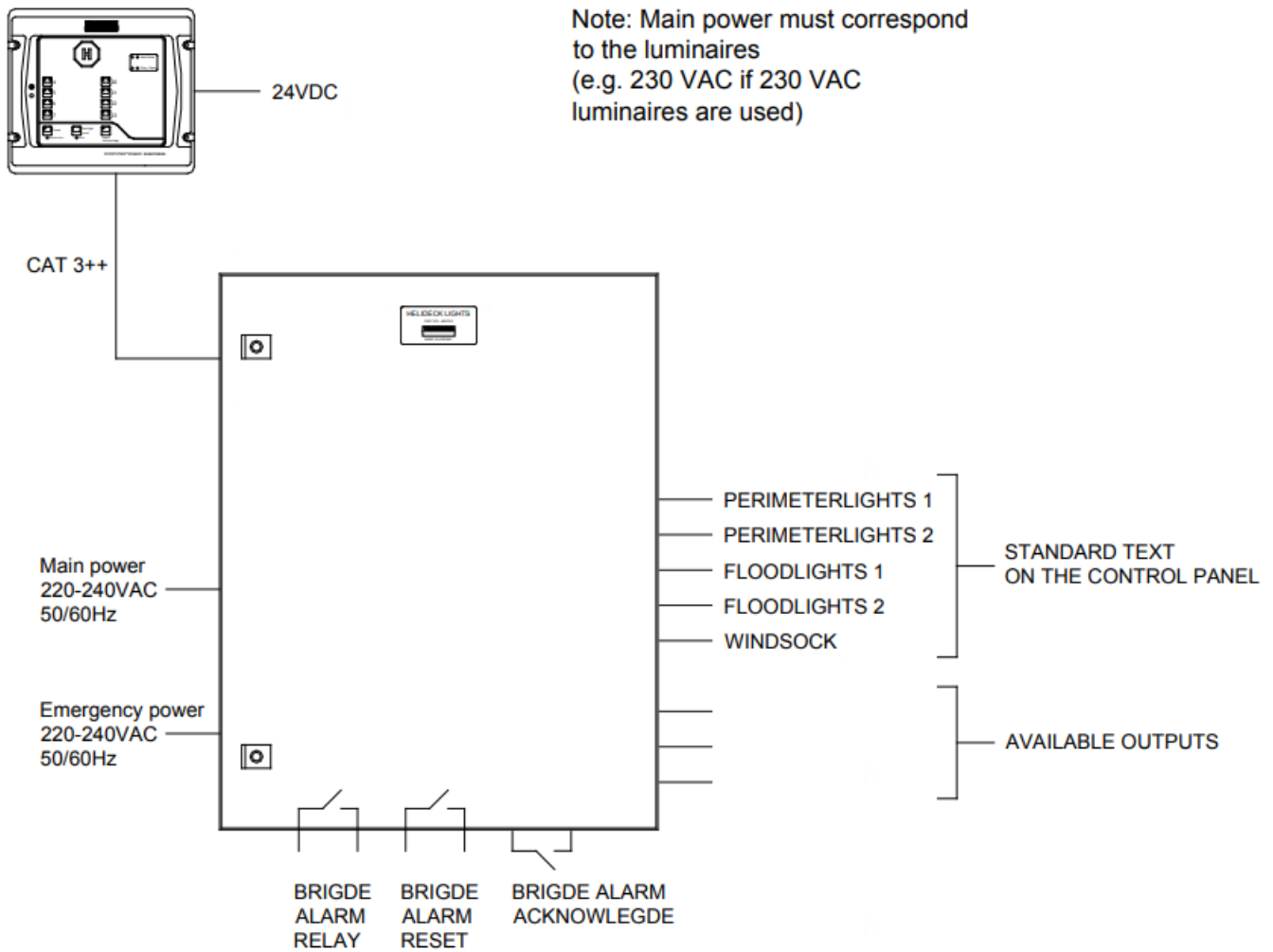
Output	
Floodlight no. 1	Max. 10 A under load
Floodlight no. 2	Max. 10 A under load
Ambient light no. 1	Max. 10 A under load
Ambient light no. 2	Max. 10 A under load
Windsock lights	Max. 10 A under load

Display	
Display size in inches	0.00
Display size in cm	0.00
Display resolution	No display
Touchscreen	remote

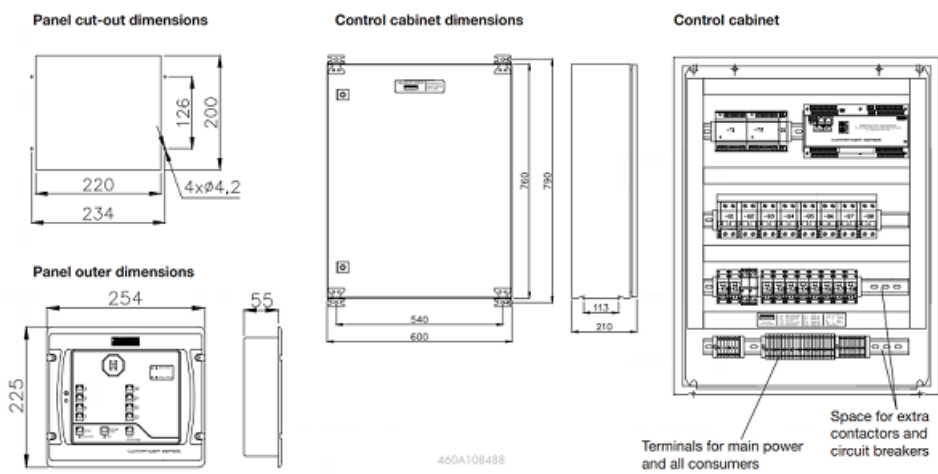
Mechanical Data	
Degree of protection (IP)	IP66
Enclosure material	Stainless steel 1.4301, (AISI 304)
Enclosure colour	White, similar to RAL 9016
Width	600 mm
Width inches	1322.77 lb
Height	760 mm
Depth	210 mm
Weight	46 kg

Components	
Locking device present	No

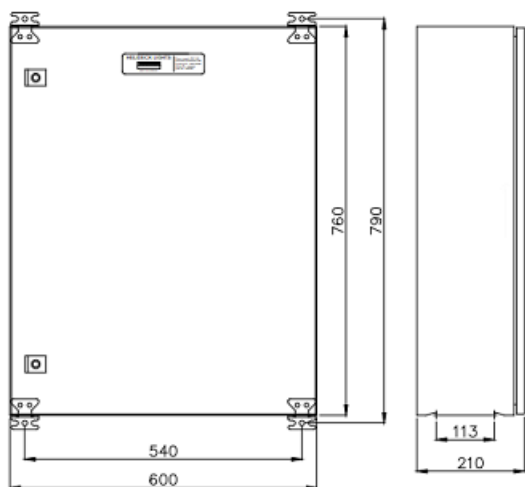
Technical Drawings – Subject to Alterations



Dimensional Drawings (All Dimensions in mm [inches]) – Subject to Alterations

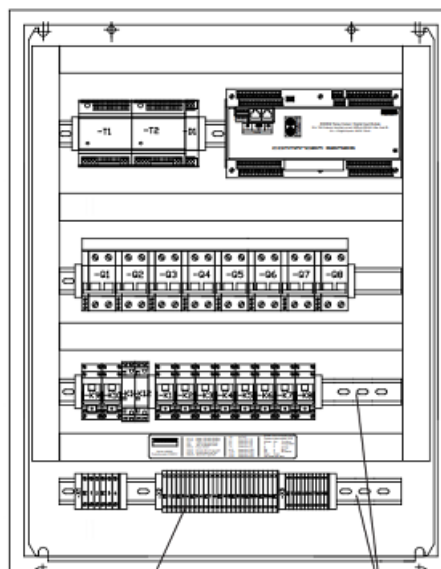


Control cabinet dimensions



460A108488

Control cabinet






Terminals for main power and all consumers

Space for extra contactors and circuit breakers

460A108488

Accessories

		Art. No.
Operator Panel		
	TEF4500704 Operator Panel Safe Area Old Art. No.: 4500704	266996
Commander		
	TEF4500800 Gateway Module Safe Area Old Art. No.: 4500800	266997
Local control panel		
	TEF4500901 Control panel 5 output circuits + IMT circle and H	241935

We reserve the right to make alterations to the technical data, dimensions, weights, designs and products available without notice. The illustrations cannot be considered binding.