TRANBERG® Control System Helideck Lights

TEF 46003xx

Zone 1 or Non-Ex versions available

CE

TRANBERG® 4600 integrated Helideck Lights Control is an industry-first integrated control system, providing easy and safe control and monitoring of all lights installed on and at helideck. The unique design of the control system can be delivered for use inboth safe areas and Zone 1 areas. All types of Tranberg lights can be connected, such as perimeter lights, floodlights, ob-struction lights, illuminated windsocks, Circle and H lights, status lights, and more. Central to the system is a touchpanel. Using an intuitive and very user-friendly interface, the user can simply set the lights on or off, or dim respective lights when needed. The touchpanel can be mounted in the door of the main panel (safe areas only), and/or mounted in an adjacent room or elsewhere. For Zone 1 or 2 we have a R.Stahl Exicom MT-498 operator panel. All touchpanels come fully loaded with software and configuration options. Regardless of type of control panel, additional remote control panels may be connected. These are push-button panels with integrated illumination, allowing local control of lights, and in full synchronization with the computer screens.
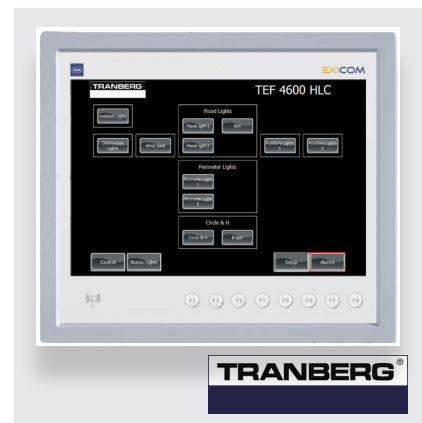
Features and benefits

- All control gear in one cabinet, simplifying connections, control and monitoring

- Smaller footprint than individual control cabinets for each type of light

- Combined with Stahl Tranberg's new line of LED helideck lights means an installation with an absolute minimum of required inspections and minimized maintenance

- Connection with a supervisory control system through Ethernet, Profibus, or similar standards

- Pre-programmed touchscreens with an intuitive and user-friendly man-machine interface

- Optional remote button and lamp control panel, allowing additional control of lights

- Optional integration towards HMS (Helideck Monitoring System), allowing direct input from the HLO (Helideck Landing Officer)

- Integration towards SCADA (Supervisory Control And Data Acquisition) systems, allowing remote control from other locations, helicopter pilots, etc.

Application

- Control and supervision of all helideck lighting fixtures.

- Onshore or offshore installations; vessels and fixed installations

- Remote control possible through a wide range of accesories

Approvals and certificates

- Available in both Zone 1 and non-Ex versions.

- All explosion-proof equipment certified according to ATEX/IECEx.

Technical Data

Power Supply:	Dual 230VAC power supply, with continuous supervision and automatic selection between main and secondary power sources.
Examples of use:	Control all lights on helideck; perimeter lights, floodlights, windsock, obstruction lights, status lights, Circle and H, taxi lights, and more
Dimensions (WxHxD):	Non-Ex control cabinet: 600mmx1900mmx 400mm Zone 1 cabinet: Flexible size and shape
Connections:	Ethernet connection to operator touch panels. Optional hardwired connection to local control panels + Modbus TCP/IP.
Ingress protection:	IP55 (safe area) and IP66 (Zone 1)
Internal power consumption:	Max. 1500W, 2100W status lights activated
Operating temperature:	-20° to +40°C

TRANBERG **STAHL**

THE STRONGEST LINK.

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Description	Part No.
TEF 4600 311 Helideck Control Panel Standard Lights + IMT Floodlight Dimmable	4600311
TEF 4600 331 Helideck Control Panel Standard lights + IMT CircleH	4600331
TEF 4600 361 Helideck Control Panel IMT CircleH + Status Lights	4600361
TEF 4600 Helideck Control Panel All functions IMT C&H Axioline	4600371

Accessories	Part No.
Pre-programmed Phoenix TPM3121 Touch Panel - Spare Part	4601002
Pre-programmed Phoenix AXC2152 PLC Controller - Spare Part	4601003

System Topology

TEF 4600

- Perimeter lights circuit #1 (6A*)
- Perimeter lights circuit #2 (6A*)
- Floodlights circuit #1 (6A*)
- Floodlights circuit #2 (6A*)
- Circle and H lights (Circle 16A*, H 6A*)
- Obstruction lights (6A*)
- Windsock lights (6A*)
- Status lights, main light (1-2 pcs)
- Status lights, repeater light (1-2 pcs)

- Touch-screen based operators panels (1 or 2, non-Ex. or Zone 1)
- Local control panels (non-Ex, or Zone 1, mounted at helideck)
- Main power supply (230V AC, 50/60 Hz, single phase)
- Secondary power supply (230V AC, 50/60 Hz, single phase)
- Integration to SCADA (Suporvisory Control and Data Aquisition) systems, HMS (Helideck Monitoring Systems) (Option)

* Number of connected lights depending on load