

Installation instructions

Control input (DA)

Digital DALI/DSI signal can be wired on the terminals DA.

Digital signal DALI/DSI

The control input is non-polar and protected against accidental connection with a mains voltage up to 264 V. The control signal is not SELV. Control cable should be installed in accordance with the requirements of low voltage installations.

Different functions depending on each module.

Standards (DALI)

DALI standard IEC 62368
HID EVG → device type 2
DALI 0 = 0 % light
DALI > 0 = 100 % light

Programmable parameters

- Groups 1–16
- Scenes 1–16 (values 0 % / 100 % / MASK)
- Power On Level (values 0 % / 100 %)
- System Failure Level (values 0 % / 100 %)

Queries

via DALI standard:

- Lamp wattage (values yes/no)
- Lamp error (values yes/no)

via eDALI:

- Lamp type
- Device type
- Article number
- Production date
- Serial number
- Software version
- Commissioning

OEM Memory Bank

The customer can store additional luminaire information in the ECG (Memory Bank 1), such as luminaire type and article number. Data is written to Memory Bank 1 in accordance with DALI standard IEC 62368.

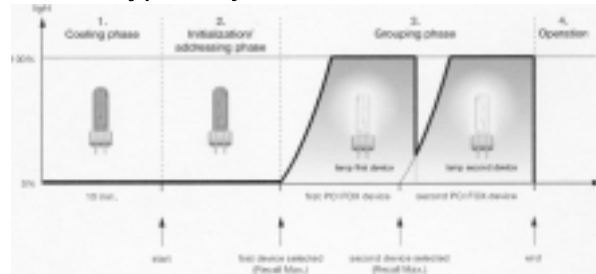
Commissioning of PCI FOX ballasts

Because of the special characteristics of HID light sources, PCI FOX ballasts (Device Type 2) cannot be addressed in the same way as conventional DALI ballasts for fluorescent or halogen lamps for example. For visualisation during the grouping phase the HID lamps must remain switched off before and during the addressing phase as they can only be properly ignited in the cold state. Dimmed operation of these lamps is not recommended, which also calls for different handling during commissioning.

TridonicAtco recommends configTOOL ≥ V1.5 software for commissioning PCI FOX ballasts (download from www.tridonicatco.com → Services → Download → Software).

IMPORTANT: Other DALI controllers can only be used for commissioning if they handle DALI Device Type 2 units appropriately (see Requirements of control products).

Overview – commissioning cycle with configTOOL ≥ V1.5



Commissioning comparison table

	DALI HID ballast PCI FOX	Standard DALI ballast e.g. PCA Excel one-fall
Before commissioning the installation	Devices must have been switched off for at least 10 minutes!	--
Initialisation and addressing phase	Devices remain switched off	<ul style="list-style-type: none"> • Devices fade to minimum value • On successful addressing the devices fade up to 100 % • At the end of the addressing phase the devices fade down to the minimum value
Visualisation in the grouping phase	<ul style="list-style-type: none"> • Selected device starts the lamp at 100 % • If a different device is selected the previously selected device switches off with a maximum delay of 10 s <p>Visualisation/grouping is not possible with hot HID lamps!</p>	<ul style="list-style-type: none"> • Selected device fades from minimum value to 100 % • If a different device is selected the previously selected device fades to the minimum value
Operation	Devices can be controlled/operated with other DALI/DSI control products	Devices can be controlled/operated with other DALI/DSI control products

Step-by-step commissioning with configTOOL ≥ V1.5

1. Cooling phase

HID EVG → Device Type 2

The lighting must have been switched off before start-up for at least 10 min. (visualisation/grouping is not possible with hot lamps)

2. Initialisation and addressing phase

- Launch DALI configTOOL and select the DALI interface
- Go to the "DALI Device Programmer" tab
- Click on "Search Devices" and follow the on-screen instructions.

PCI FOX devices remain dark during the entire addressing phase. In contrast, DALI devices for fluorescent lamps, LEDs and incandescent lamps fade down to their minimum value and go to 100 % during the addressing phase. At the end of the addressing phase they fade back to their minimum value.

3. Visualisation in the grouping phase

- Activate the "Enable optical selection feedback" by ticking the checkbox
- If a PCI FOX device (Device Type 2, special symbol) is selected in configTOOL the appropriate device switches on. It remains on until a different DALI device is selected in the system.
→ PCI FOX then switches off after a maximum delay of 10 seconds.

4. Operation

- PCI FOX devices can be switched powerless with a broadcast signal (DALI or DSI, without addressing of the devices)
- PCI FOX devices can be addressed and operated individually or in groups with a DALI signal. For examples with TridonicAtco controls please see matrix above.

Requirements of control products

Initialization/addressing phase:

INITIALIZE	(This command must be sent first) When the INITIALIZE command is sent, PCI FOX devices change the RECALL MIN value to 0 % → devices switch off/remain switched off
RECALL MIN LEVEL	
TERMINATE	(Last command in the initialization phase) When the TERMINATE command is sent, PCI FOX changes the RECALL MIN value back to 1 % (100 % light)

Realisation with TridonicAtco controls

	Commissioning	Operation
DALI GC		✓
x-touchPANEL	In preparation	✓
x-touchBOX	In preparation	✓
DALI TOUCH-PANEL		✓
Software configTOOL	✓	✓

Based on Data sheet 07/08-704-2 by

TRIDONIC.ATCO

Suitable for use indoors

Geeignet für Innenanwendung

Pour un usage interne

Adecuada para uso en interiores

Geschikt voor gebruik binnen

Lämplig för inomhusbruk



Replace any cracked protective shield.

Dieses symbol bedeutet, dass defekte Schutzgläser sofort ersetzt werden müssen.

Ce symbol indique que vous devez remplacer tout verre de protection fêlé.

Este símbolo indica que hay que reemplazar filtros en caso de rotura o desperfectos.

Dette symbolet indikerer at alle ødelagte (sprukne) sikkerhetglass må skiftes.

Valaisinta el saa käyttää ilman suojalasia vioittunut suojalasi on vaihdettava uuteen ennen valaisimen käyttööottoa.



< Millimetres >



This Electrical Product MUST be recycled.



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Concord

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