

Light automation with DALI

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DALI

What is DALI?



DALI stands for Digital Addressable Lighting Interface.

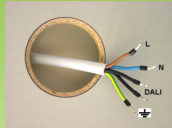
It is an international standard that guarantees the exchangeability of dimmable ballasts from different manufacturers.

DALI has been designed to replace the analog 1 – 10V control interface become a new standard in the market.



DALI

DALI advantages



Simple wiring of control lines. Supply and control wires can be laid together in one cable or duct

Control of individual units or groups

A simultaneous control of all units through broadcast addressing,

Control device status messages (lamp fault,),

Automatic search of control devices,

Automatic and simultaneous dimming of all units when selecting a scene,

Logarithmic dimming behavior – matching the eye's sensitivity,

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DALI advantages



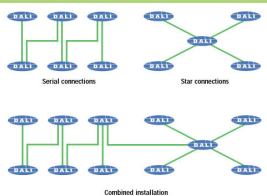
No special wiring required with regard to wiring topology

Fading: adjustment of dimming speed,

Options for emergency lighting can be chosen (selection of specific ballasts, dimming level),

No need to switch on/off the external relay for the mains voltage (this is done by internal electronic components),

Lower system cost and more functions compared to 1-10V-systems.

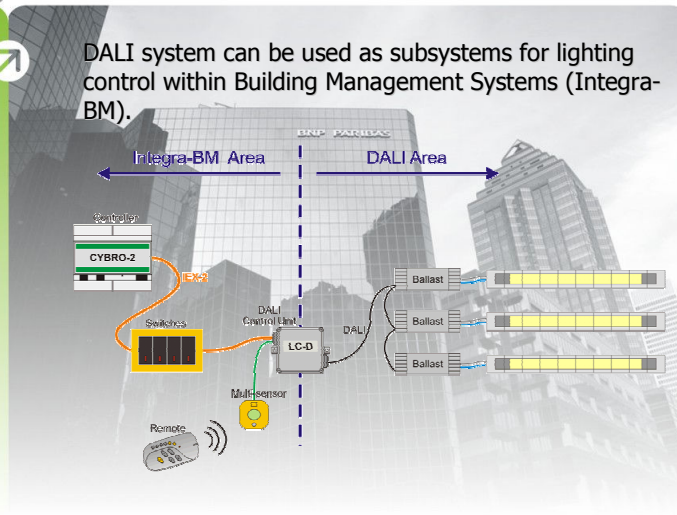


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DALI and Building Management



DALI system can be used as subsystems for lighting control within Building Management Systems (Integra-BM).

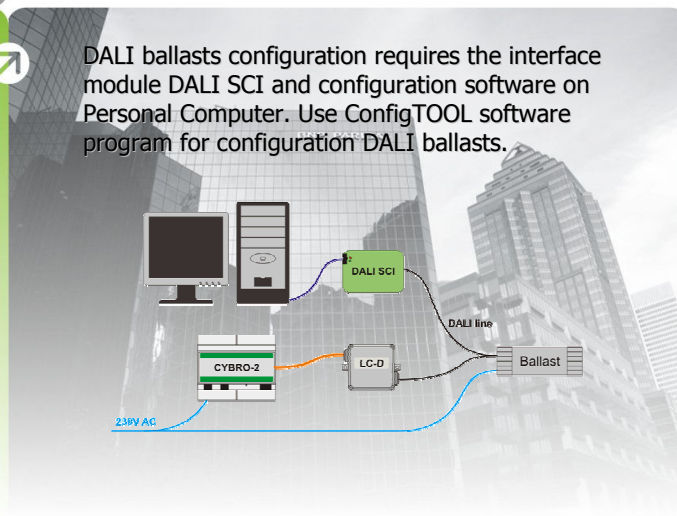


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Programming DALI ballasts



DALI ballasts configuration requires the interface module DALI SCI and configuration software on Personal Computer. Use ConfigTOOL software program for configuration DALI ballasts.



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CyPro commands for DALI lights



```
lcd00_dali_adr:=0;  
lcd00_dali_cmd:=254;  
lcd00_dali_req:=1;  
if lcd00_dali_ans=255 then
```

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Information's



Presentation is summary of document:

[TN-012 Managing lights with DALI.pdf](#)

Document is available on cybrotech web pages:

www.cybrotech.co.uk

Cybrotech technical support:

matej.kroselj@cybrotech.co.uk

 [kroselj](#)