

***Lightrak*** Lighting Control

**ELECTRAK**<sup>®</sup>

## Lightrak Lighting Control

Lightrak is a future-proof lighting control system that is simple to install, commission, operate and upgrade. It can be further enhanced when used alongside our new buscom trunking system. A consultant's dream, it delivers a system that is good for the users, the management, the contractor and the environment.



## Why choose a lighting control system?

### For the 30-40% energy savings\*

- directly and by reducing cooling loads

### For the building management

- gives flexibility
- futureproofs against layout changes

### For the building owner

- reduces wiring costs
- eligible for enhanced capital allowance

### For the building user

- provides local control
- improves working environment

### For Building Regulations Compliance

- required by energy saving legislation, such as Part L 2006 in UK

## Lightrak lighting control delivers all this...

### ...and more

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\*Paul Littlefair, Principal Lighting Consultant, Building Research Establishment: "Selecting Lighting Control" Digest 498 (BRE Bookshop, 2006)

## Why choose Lightrak lighting control?

The Lightrak parts list is wide-ranging

- fully addressable lighting control modules, presence and absence detectors, single and multi-gang switches, scene set switches, timed event controllers and much more

The features list is impressive

- dimming, corridor hold, daylight linking, time scheduling and much more

But the unique benefits of Lightrak lighting control are compelling...



## MODULAR

### “How does it fit together?”

In keeping with all Electrak solutions, Lightrak is a modular system designed to be as simple and quick to install as possible. The components simply interlink using Wieland or RJ45 connectors, minimising terminals.

## FLEXIBLE

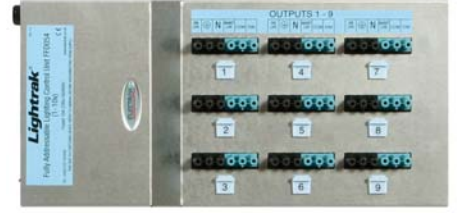
### “What if needs change?”

We plug in a computer anywhere on the control network and reprogramme it (or any trained KNX integrator can). It is fully addressable, so there is no need even to disturb a ceiling tile.

### “What about onsite commissioning?”

Because Lightrak lighting control is designed and programmed before it leaves Electrak's facility, installation is really a simple 'plug and play'. By minimising onsite commissioning, your lighting control system is operational in a fraction of the time.

## RAPID



## ADAPTABLE

**“What if I need to work alongside other protocols?”**

Off-the-shelf ‘gateways’ are available to integrate Lightrak KNX with for instance DALI and LonWorks systems. This gives you endless scope, including straight forward integration with your preferred BMS system.

## OPEN

**“What if I cannot find the feature I need?”**

Because Lightrak uses the KNX open protocol shared with the likes of Siemens, ABB and Jung, an integrator can select from a vast parts list and programme using a single software tool.

Read more about KNX at [www.knxuk.org](http://www.knxuk.org)

**“What about help along the way?”**

Electrak’s lighting control division employs professionals to guide you every step of the way. It maintains a hard-earned reputation for producing installation drawings of the highest quality, giving you confidence and saving you time.

## SUPPORTED

Lighting control units can be stand-alone, or used in conjunction with buscom trunking →

For more information on Lightrak, contact our Lighting Control Division: +44 (0)1207 503400

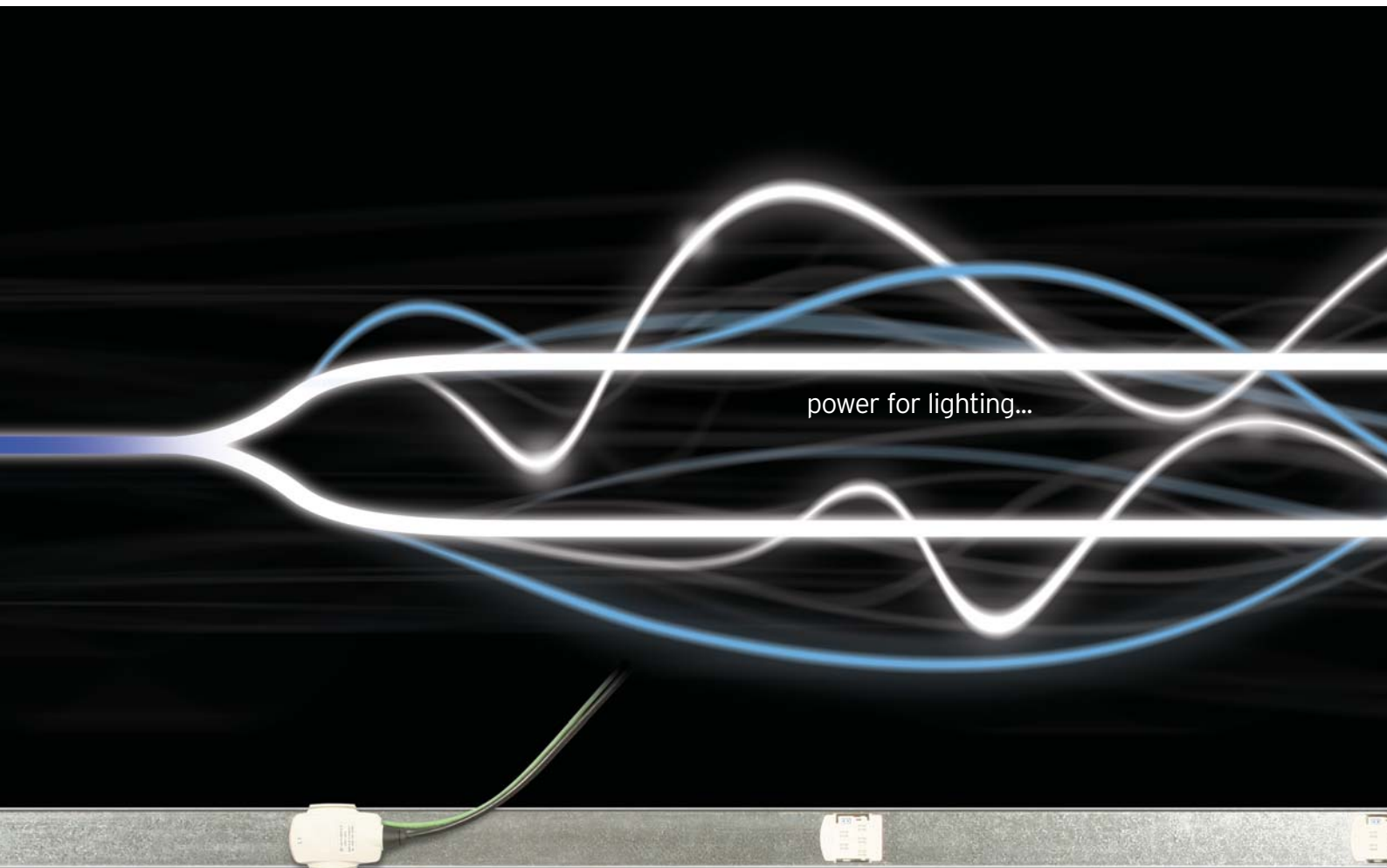
## Buscom Trunking

Power and control in one

Lighting control relies on two elements - power for the lighting, communications for the control.

This inevitably means a spaghetti of power and data cables, with many terminations along the way. This in turn means time, skilled resource and many potential points of failure. Until now.

Electrak has incorporated power and comms into one single product - buscom trunking.



## Buscom Trunking

Buscom brings all the benefits of busbar - rapid installation, minimised terminations, modular assembly, simple parts list, off site testing - to the combined cabling for a control system.

Buscom incorporates a shielded twisted pair communications bus inside each length and tap off. By installing parallel runs in the ceiling void, you have universal access to a power and communications matrix. Enhanced tap offs then plug into regular

outlets and pick up the power and control signal together, it could not be simpler.

When using buscom trunking, there is often not one electrical termination required from after the feed to the luminaire.

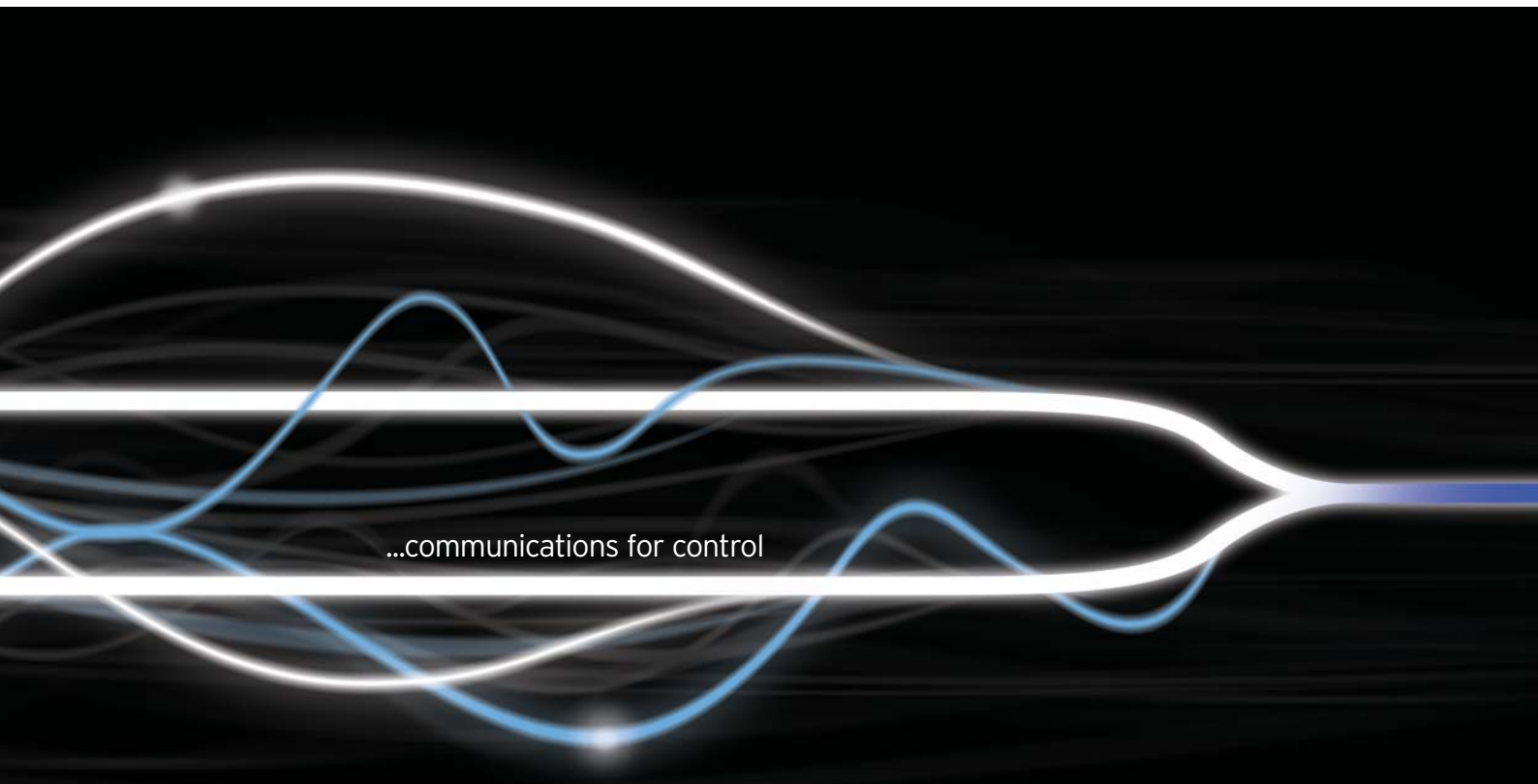
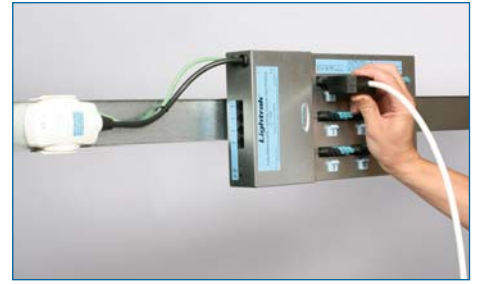
Buscom works for all concerned. It saves time, saves money, reduces snags, facilitates any future office change - the list of benefits goes on. This is the same regardless of which lighting control system you choose,

whether controlled using KNX, LonWorks, a proprietary protocol or even DALI fittings.

But when used with Lightrak, there is a further advantage. Our lighting control modules mount directly onto the buscom trunking and plug straight in, saving even more installation time.

**Buscom trunking - a simple innovation, a striking impact.**

Buscom is suitable for use with any control solution, whether KNX, LonWorks, a proprietary protocol or DALI fittings. However when used with Lightrak lighting control, modules simply clip on and plug in to the trunking.



...communications for control

## About Electrak

Electrak designs and manufactures power distribution and lighting control products. It has been operating from its UK base since the early 1980s. It has carried out over 300 lighting control projects, and has supplied over 30km of buscom trunking to power the lighting control solution throughout the new Terminal 5 complex at Heathrow.



For more information, contact  
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Because of our policy of continuous improvement, Electrak  
reserves the right to change product specification without notice.