## SL20 Random Lighting effect

This Smart Light (SL) simulates the lighting in a house, shop or station etc by switching on and off at random intervals helping to add life and interest to a layout.
Smart Lights work direct on Digital DCC or from 9-16 volts Battery or Analogue DC.

**Smart Light is easy to use so only needs simple instructions, but please read first!**

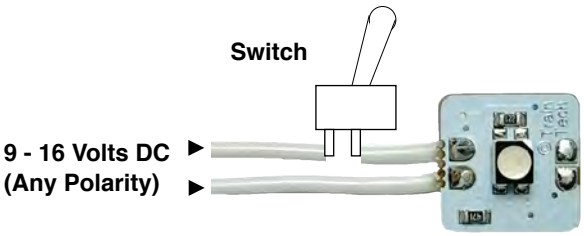
# POWERING SMART LIGHT FROM 9 - 16 Volts DC (ANALOGUE)

### Connect DC power leads

**9 to 16V DC maximum**
**SWITCH OFF BEFORE CONNECTING!**

### Control the effect

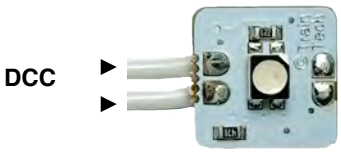
You can either connect the Smart Light direct to your power supply so that it is on all of the time or insert a switch:




**** WARNING - TAKE CARE NOT TO TOUCH ANY OTHER COMPONENTS!**

# POWERING SMART LIGHT FROM DIGITAL DCC

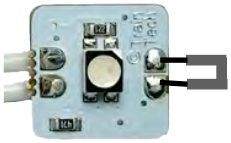
### Connect DCC power leads




**16V DCC maximum**
**SWITCH OFF BEFORE CONNECTING!**

### Choose DCC address

Turn DCC on - Smart Light should light
Set controller to DCC *accessory* mode:



Touch contacts together momentarily

**Choose address**

- Use a small link of wire to touch contacts
- LED will flash White
- Enter DCC address (eg 60)
- Press ◀ or ▶ to set address

**** WARNING - TAKE CARE NOT TO TOUCH ANY OTHER COMPONENTS!**

### Control the effect

**Set controller to DCC accessory mode**

**To turn the Smart Light on and off:**

- Set controller to your address (eg 60)
- Select ◀ or ▶ to switch on or off

# HINTS & TIPS

### Install in your model!

Take care not to let any wires etc touch any components or joints. Lights up white but you can use toffee wrappers etc as a filter to light up different colours.

### Notes

- Never apply more than 16 volts DC/DCC
- Smart Lights do get warm - this is normal
- Smart Lights not waterproof - keep dry!
- BluTak or similar is useful for mounting Smart Lights & masking unwanted light
- As well as stationary models Smart lights can be installed on a train and controlled live by DCC Accessory commands!
- We have made Smart Lights as small as possible so that they can fit into the smallest models, but you need to be very careful not to short circuit or touch other parts of the circuit with wires or metal.

**Smart Light Selection:**

| | |
|---|---|
| SL10 | Party - Disco Lights |
| SL20 | Random Lighting |
| SL30 | Emergency Vehicle |
| SL40 | Real Fire effect |
| SL50 | Arc Welding Effect |
| SL60 | Television Simulator |
| SL100 | Custom Smart Light |

There are over 200 Train-Tech products for Signalling, Lighting and Control which are available from www.dcpexpress.com and model shops. Ask for FREE brochure.

**www.train-tech.com**

## Track Tester

DC & DCC · OO HO · N

Only £5

*Track not included*

- Quickly tests track for power faults
- Low cost and easy to use
- Works on N, TT, 00 or HO Track
- Indicates the DC polarity, or DCC, or a fault
- Small enough to check point frogs

## Buffer Lights

DC & DCC · WIRE FREE · OO HO · N

Only £5

*Track and buffer stop not included*

- Add realistic stop light to any siding
- Simply clips onto track – No wires!
- Fits next to most buffer stops & kits
- Or at platform end or free standing
- On DCC both lights are on constantly
- On DC one light is on & varies with speed

## DCC Fitted Digital Signals

DCC · WIRE FREE · OO HO

- Signal with DCC decoder built into base
- Can just plug direct into track – no wires!
- Easy to fit and use – no CV programming!
- Can sync to other signals & points
- Available with Feathers & Theatres

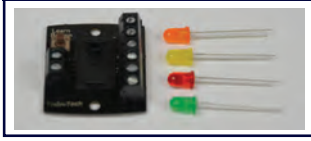
## One-Touch DCC™ Point Controllers

DCC · OO HO · N · Z

- Control points and uncouplers using DCC
- Work with most solenoid point motors
- Just connect 2 wires to DCC rails - No CV Programming!
- Easy screw terminals – no soldering
- Built in CDU for efficient operation
- Can sync to other points and signals

## LFX Lighting Effect Controllers

DC & DCC · ANY GAUGE



- Easily add lighting effects to your layout
- LEDs screw in – no resistors or soldering
- Powered by 9v battery, 9-16V DC or DCC
- On DC the effect is on when powered
- On DCC the effect can be controlled
- Effects LEDs are included

## Level Crossing - Ready Assembled

DC & DCC · OO HO · N

- Power from 9-16v DC, DCC or a 9v battery
- Light and sound - all connections easy push fit
- Includes 2 x Peco static level crossing barriers
- Can turn on automatically using a Track Sensor
- Available in single and pair packs

## Track Sensor

DC & DCC · OO HO

- Change Semaphore Signals automatically (with SC300)
- Trigger Level crossing when train approaches
- Power from 12-16v smooth DC or DCC
- Links to a Mimic Switch to show occupancy
- Links to a Sensor Signal to change block section

## Automatic Tail, Firebox & Loco Lights

DC & DCC · Auto · WIRE FREE · ANY GAUGE

*Rolling stock not included*

Fits in N scale upwards

- No switch - senses motion & turns on!
- Turns off automatically 4 minutes after stop
- No pickup, wires or soldering - LED plugs in
- Fit in brake vans, coaches, loco, wagons etc
- Runs for ages on small button battery
- LEDs and batteriy included

## Mimic Switches & Lights

DC & DCC · ANY GAUGE

- Make a mimic panel to control LayoutLink items
- Link to Track Sensors or Sensor Signals to show occupancy & signal status
- Single wire to control Layout Link products
- Link to Sensor Signals to switch route indicators on/off

## Signal Kits

DC & DCC · OO HO

Every kit includes the signal head, aluminium post and base plus detailing kit

- Low cost – adapt to your own design
- Control by switches or signal controller
- LEDs are prefitted to a narrow PCB

**SL20 - Smart Light**

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## One-Touch DCC™ Signal Controllers

DCC · ANY GAUGE

- Control LED & Semaphore signals by DCC
- Easy to set up & use –No CV programming!
- Easy screw terminals – no soldering
- Can sync to other points & signals

1017

## Automatic Sensor Signals

DC & DCC · WIRE FREE · OO HO

- Detects train and changes signal automatically
- Use on its own & signal changes back to green after time
- Or link to other SS for automatic block signalling
- Can be used on both DC & DCC
- Also available with Feathers & Theatres

## Automatic Coach Lighting

DC & DCC · Auto · WIRE FREE · OO HO

*Rolling stock not included*

- Easy to fit in seconds - no wiring!
- No switch - senses motion & turns on!
- Turns off automatically 4 minutes after stopping
- No pickups **so works on regular DC & DCC**
- Traditional warm white or modern cool white
- Also with tail light, sparks or door light effect
- Lights stay bright & constant with no flickering
- Fits most OO/HO coaches and maybe cut down

## SFX Sounds for Trains

WIRE FREE · DC & DCC · Auto

- Easy low cost sound that works on *any* railway
- **Easy to fit in seconds** - no connections
- No switch - senses motion & turns on!
- No pickups **so works on regular DC & DCC**
- Self contained - built in speaker & battery (included)
- Tiny capsule: 25mm x 20mm x 12mm approx
- Fit capsule into loco, tender, wagon, coach...
- **Real recorded sounds** - Steam & Diesel etc

## Smart Lights - Easy to fit Lighting Effects

DC & DCC · ANY GAUGE

- Small - Just 1cm x 1cm x 0.3cm with 2 wire connections
- Power by standard 9-16v DC or a 9v battery
- Or by DCC which can also control some effects
- Just connect and go - no setting up required
- Disco / Emergency / Real Fire / TV / Welding / Random effects

## Traffic Lights - Ready Assembled

DC & DCC · OO HO

- Power from 9-16v DC, DCC or 9v battery - 2 Wire connection
- Realistic standard UK sequence and timing varies randomly
- Fully assembled - drill hole in baseboard & connect to power

***SEE WWW.TRAIN-TECH.COM OR CONTACT DCP FOR FREE COLOUR BROCHURE***

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Train-Tech
Model Technology Made Easy

## SL20 Smart Light: Random Lighting

- Smart light with built in lighting effect
- Turns on and off randomly with a white light
- Tiny to fit inside model House, Shop, etc
- Lighting effects bring life to a layout!
- Works on any 9-16V DC, battery or DCC
- Just fit in model and connect to power
- Two wire connection to power - no soldering

## www.Train-Tech.com

See our website, your local model shop or contact us for a free colour brochure
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