

ST1 - Track Sensor for Layout Link Control

CAUTION - ALWAYS SWITCH OFF ALL POWER TO YOUR LAYOUT BEFORE CONNECTING UP THIS OR SIMILAR PRODUCTS!

The Track Sensor detects trains passing over it and can trigger and control other Layout Link products such as Level Crossings, Sensor Signals and Mimics where it can be used to show train passing and occupancy when used with other Track Sensors or Sensor Signals.

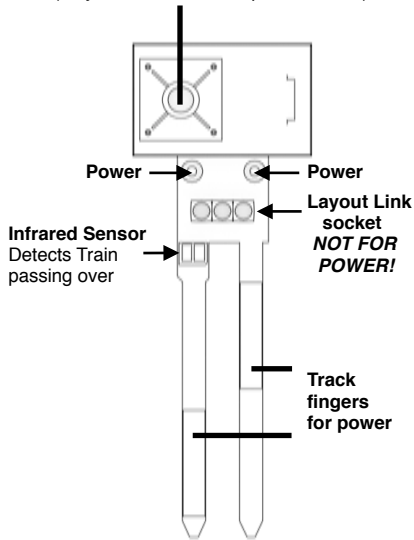
Track Sensor Connections

This gives a general overview of features and connections of the Track Sensor.

More specific wiring instructions are supplied with the Layout Link product(s) you are going to use it with.

Power & Train indicator light

- Lights dimly when powered
- Lights brighter when train is detected (may be covered with tape to conceal)

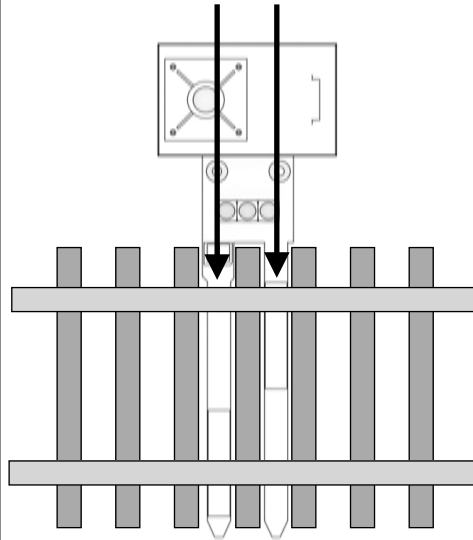


Power by sliding into track - DCC only

If using DCC you can power the sensor from the track by sliding two 'fingers' under the rails into the slots in some types of track, like a power clip.

Ensure connections are good and tight between the top of the Track sensor finger and the bottom of the metal rail!

After locating the two power clip slots in track gently slide in track sensor fingers

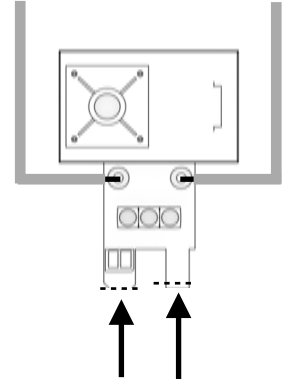


Power by wiring - 12-16V DC or DCC

If you use DC or you do not like or have suitable track to accept the slide in fingers you can cut them off and solder 2 wires to the connections shown below

To power using DCC or 12-16 volts DC carefully solder 2 wires into the holes as shown below

Switch off all power first!

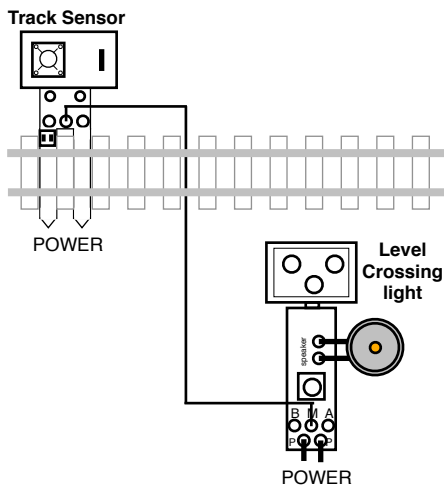


Cut off the two fingers with sharp cutters where marked - - - Take care to cut on lines and not damage the sensor

Track Sensors with Level Crossings

The Track Sensor is ideal for use with LC10 Level Crossings to trigger the lights and sounds when a train gets near.

Connect centre socket of the Track Sensor to socket M on the level crossing. Detailed wiring instructions are supplied with each crossing set. *Make sure both are connected to the same power supply.*



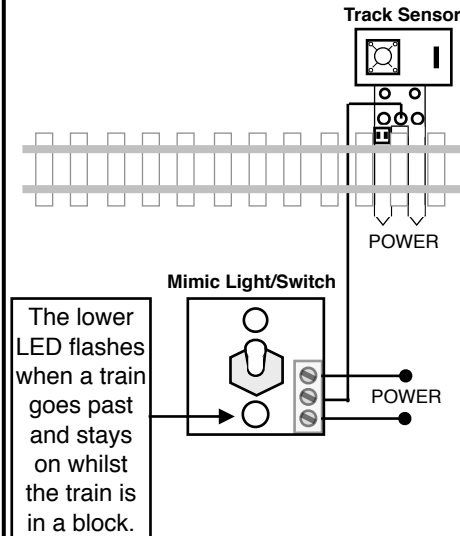
Using Track Sensors with N Gauge:

The Track sensor is designed primarily for OO gauge track, however in tests we have found that it can be used with N gauge if the fingers are removed, some parts of sleepers trimmed and sensor is placed close to but not touching the rail.

Track Sensors with Mimics

The Track Sensor can be used with Mimic Lights or Mimic Switches to display train position & Block occupancy (in a similar way to Sensor Signals).

Connect centre socket of the Track Sensor to the centre terminal of the Mimic Light or Mimic Switch as below.



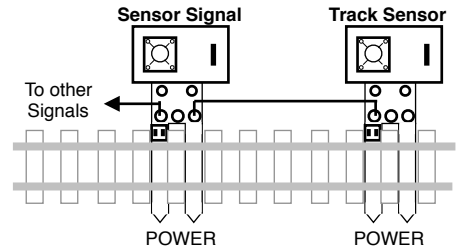
POWER

Power both the track sensor and Mimic Switch or Light from *same* supply; either DCC from the track or wire to 12-16V DC

Track Sensors with Sensor Signals

The Track Sensor works in the same way as a Sensor Signal and so can be used alongside them as low cost alternatives to Signals for extra Block detection.

The 3 way socket can be connected in exactly the same way as a Sensor Signal, including connecting a Mimic for train detection (see left).



In the example above a Track Sensor is linked to the last signal in a run to finish the final block section which will clear the signals when the train has passed the Track Sensor.


POWER

Power both Track sensor and Sensor Signals from the *same* supply; either DCC from the track or wire to 12-16V DC

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, OO 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

One-Touch DCC™ 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

Smart Lights - 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

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
- Mounting cap included
- Available in single and pair packs

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 battery included

Mimic Switches & Lights


DC & DCC ANY GAUGE



- Make a mimic panel to control LayoutLink items
- Link to Track Sensor 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 prefit to a narrow PCB

ST1 - Track Sensor



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One-Touch DCC™ Signal Controllers

DCC ANY GAUGE

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

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
- Link to other SS for fully automatic block signalling
- Can be used on both DC & DCC

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

Track Sensor


DC & DCC OO HO



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

Traffic Light - 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
- Complete with Plastic head and Aluminium post

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



ST1 Track Sensor

- Sensor for Layout Link accessories including:
- Automatic control of LC10 Level Crossings
- Train detection & occupancy with Mimic Switch
- End of block Sensor for Sensor Signals
- Compatible with analogue 12-16V DC and DCC
- Slides into OO set track or remove tabs & wire
- Built in LED to show power and Train Detection

www.Train-Tech.com

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