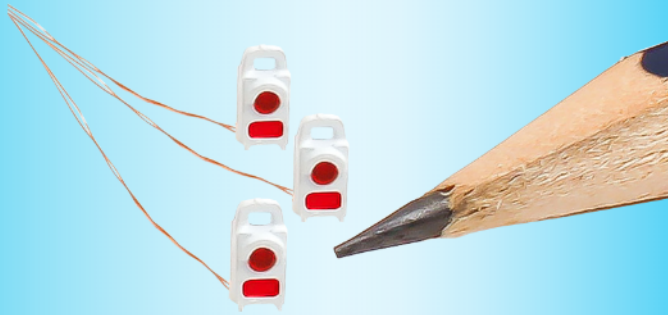


# Modern EOT (End of train lamp)

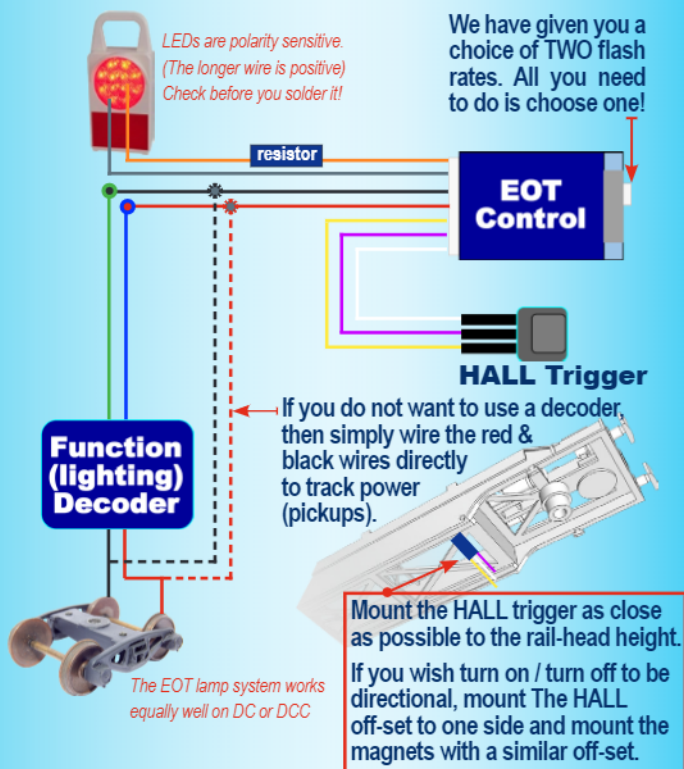


## OWNERS MANUAL



### DCCconcepts DML-EOTS3 End of Train lamp Basic Wiring Diagram for Using HALL trigger PLUS DCC Decoder Control

Just follow the colour coded wiring!



## Owners Manual

### Modern "End of Train" lamp.

Since the demise of the guards van, almost every freight movement on all railways across the world has had a red flashing EOT lamp in place on the rear wagon to confirm that the train is complete.

This same lamp is attached to some diesel or electric locomotives during "light engine" movements and can on occasion be used as a warning lamp for other purposes or hand carried by railway staff.

DCCconcepts EOT lamp is the first ever truly-to-scale, realistic model of this absolutely essential accessory for the modern image modeller.

Made using the original lamp as a reference, the DCCconcepts EOT lamp has been carefully crafted to exact 4mm scale and is perfect for UK modellers. (because the real difference between 4mm scale and HO is very small with an item this tiny, it is also usable for European, Australian and other freight trains too)

For illumination, the lamp incorporates one of our ultra-small NANOLight LEDs with a perfect "safety red" tint to properly replicate the real look of these lamps in use - keeping it accurate right through to its operation!

**One EOT lamp isn't going to be enough for any layout, so we have packed the DCCconcepts DML-EOTS3 in packs of three, complete with all needed accessories, ready for operation on either DC or DCC power.**

#### DML-EOTS3 - What is in the pack?:

We have included everything you might need for installation of 3 lamps for use on both DC and DCC layouts, including pickups.

- \* 3x Truly-to-scale EOT Lamps
- \* 3x Colour coded wiring harnesses
- \* 3x "Hall triggers" for automatic on/off on DC or DCC layouts.
- \* 3x Mini Neodymium magnets (Super-magnets) for EOT on/off triggering
- \* 1x Metre of fine wire for Wiring Pickups
- \* 12x Pickup springs for standard 2mm axles.

Want to control your EOT with a DCC decoder? We strongly recommend that you use the DCCconcepts CL4. This is the ONLY 4 fn, function only decoder that can be read on the program track without a dummy load!

### DCCconcepts DML-EOTS3 End of Train lamp

#### Installation notes

- (1) DML-EOTS3 works equally well on DC or DCC power.
- (2) You can control DML-EOTS3 with BOTH the HALL trigger and a decoder if you wish. will also allow you to install a "Stay alive" if desired.
- (3) The HALL trigger is turned on and off by a magnet (supplied). Experiment and you will see that reliable operation needs the magnet to be placed within a couple of millimetres of the hall trigger to work.
- (4) For directional lighting, offset the hall trigger on the vehicle close to the track level and place the magnets in a similar offset at track level.
- (5) Do not forget to add a resistor in line with the positive wire to the EOT lamp. We have include some super-small resistors in the pack to make this easy.
- (6) Work neatly for best results. Insulate all bare wires. Take your time.

### DCCconcepts EOT Lamp Warranty

DCCconcepts' guarantees and warranties are always made in respect of the original owner of the products. While our first priority is to always be sure that users of our products are given the best possible service we do also reserve the right to request proof of purchase so we can properly establish that you were the original purchaser and user of the product.

DCCconcepts use the best quality materials, testing each and every lamp, Hall trigger and EOT device before we pack them. We are therefore certain that they all worked when they left us so any future failure will be extremely rare.

**We warrant only as follows:** If the EOT device does NOT work and there is NO visible damage we will replace it. If it is damaged in any way including heat burns it cannot be a warranty issue. Hall devices and LEDs are static, light and voltage sensitive. We do not know the skill level, precautions taken or quality of equipment used when installing the EOT systems. Therefore while we will always do our best to help you, we cannot give warranties for Hall, LEDs or EOT lamps.

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