

Dapol Easi-fix Signal range (N and OO gauge)



Installation Instructions: These instructions are applicable to all 'N' and 'OO' signals. Please read them carefully before installation to ensure you understand how to mount and wire them correctly. Incorrect wiring connections can cause irreparable damage to your new signal and may invalidate your warranty

Fitting to the baseboard: The signal is designed to be fitted into a pre-drilled 14mm hole in the baseboard. (The signal will accommodate a baseboard thickness of up to 45mm [1 & 11/16th inch]) A minimum clearance of 55mm (2 & 1/4") is required under the baseboard. Check for supports and wiring before drilling. A 'spade' or flat bit type of drill bit is recommended. (of an appropriate type for the baseboard material).

1. Remove the plastic nut and carefully thread the wires and signal base through the baseboard. The nut can then be re-fitted on the underside of the board and screwed in place finger tight only.
2. Do not modify or dis-assemble any part of the black threaded section as this contains the mechanism, doing so will invalidate the warranty.

Power Supply Type: We recommend using a **12vDC stabilised power supply**. The signal will also operate from a 9vDC battery and accept AC power up to 14vAC. We strongly recommend using a smoothed or regulated power supply. (Standard Transformers or auxiliary speed controller power outputs can often produce spikes which may damage the signal).

Wiring your signal: It is essential that the wiring is correctly connected. Please take care to ensure correct connection before power is applied. Example wiring diagrams are shown overleaf.

- **Red and Black wires** to the power supply: If using a DC power supply, then Red is connected to the positive (+) and Black to the Negative (-) terminals. If using an AC power supply, then the Red & Black can be connected without consideration to polarity.

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- **Yellow wires** connect to the switch *only*. The signal is designed to be used with a standard momentary action push button switch or sprung 'centre off' type. **UNDER NO CIRCUMSTANCES SHOULD POWER BE CONNECTED TO THESE WIRES.** If you intend to operate your signal using DCC or other method, then connection must be via a relay or a control unit specifically designed for the signal must be used (i.e. Dapol 4A-001-001 DCC Signal controller).
- **DO NOT** use capacitor discharge units or similar devices, they are not required and will damage your signal.

Operation of your signal

The signal is motor driven with an LED backlight. When wired correctly to the power supply the signal arm back light will illuminate. Each time the switch is operated the signal will reverse.

Example wiring diagram:

