



SOLENOID

**Continuously rated
for 12V dc point and
signal operation**

Instructions for use:

For signal operation, fabricate an L-shaped bracket, one side of which can be screwed to the underside of the baseboard, and the other to take the two supplied M2.5 screws for the tapped holes in the side of the solenoid.

For point operation, screw the unit to a flat plate, which can then be screwed to the underside of the baseboard.

Fasten the signal or point operating wire to the top of the plunger.

To pull the plunger in, 12V dc needs to be applied across the terminals. To pull it back out once the current is switched off, use a spring in the operating mechanism or around the plunger, or for signals in the larger gauges, rely on the weight of the balance lever and arm.

Alternatively, as the plunger becomes magnetised when current is flowing, the unit may be operated as an electromagnet. Attach a piece of iron or steel to the signal/point operating wire, and it will be attracted by the plunger. You will need to rely on the signal balance lever or a spring to withdraw the wire when the current is turned off.

A simple latching on-off switch (SPST) should be used, as the solenoid is continuously rated (current draw 0.25A). The unit may also be employed as an uncoupling electromagnet, in which case use a push-button (non-latching) switch.

Do not lubricate the plunger as this may cause unreliable operation.

© Wizard Models 2007