



KI-AD100 turnouts decoder

ver:104

1 Precautions

- 1.1 Decoder are not toys and should not be handed to children under 14 years of age.
- 1.2 Read the instructions carefully before installation.
- 1.3 Improper installation may cause the chip to burn out. Before powering on, please check whether the connection is wrong. If you cannot determine whether the installation is correct, please send it to a professional to install it.
- 1.4 Do not place conductive objects and liquids on the decoder to prevent damage to the decoder.
- 1.5 Railcom is not supported, please disable Railcom function.

2023/4

2 Decoder feature

Suitable for use on two rail tracks.

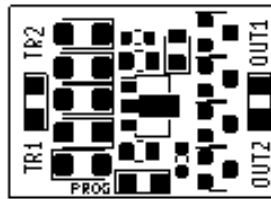
2.1 N, HO track usage.

2.2 The decoder address is 1~1023 numbers.

2.3 Simple address setting, repeatable reset.

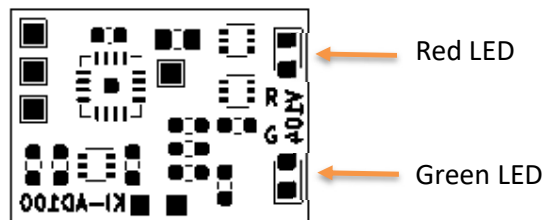
2.4 The decoder withstand voltage is 20V.

3 Decoder installation



Decoder front

- TR1, TR2 are connected to track power supply.
- OUT1, OUT2 are connected to turnouts coil.
- PROG is to set the decoder address contact.



Decoder back

- Red and green LEDs show turnouts direction.
- The LED will not light up after power on. The LED will light up when the turnouts is switched

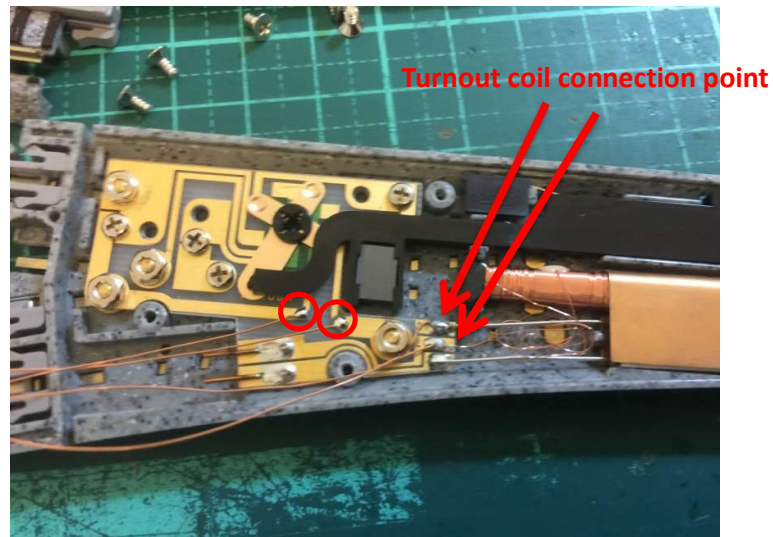


figure 1

- 3.1 In the figure 1, a track power supply connects to the power supply terminal of the decoder. The arrow is the output terminal of the decoder. (If the turn signal is in the opposite direction, please connect the line).
- 3.2 If the switching direction of the switch is opposite to that of the controller, please exchange the coil contacts.

4. Address setting

- 4.1 Turn on the power to the controller. You can see that the decoder LED is on. It will short-circuit only the PROG point. The decoder LED is off. Enter setting mode.
- 4.2 The controller switches to SW mode. Select the address you want to set. Switch the turnout status.
- 4.3 Decoder LED is bright. Complete the address setting.
- 4.4 The controller switches the turnout status. You can see the switch.