ND-LKN200 DCC decoder

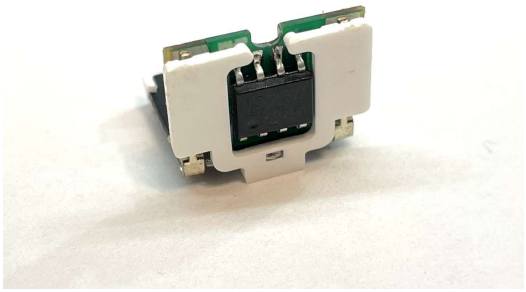
Ver1.04

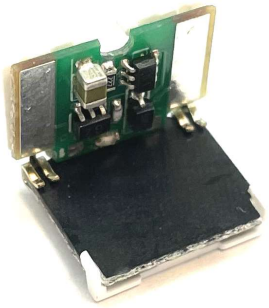
ND-LKN100

1. Function

1. **Maximum voltage to 17V**
2. **2 function outputs, each output maximum 20mA**
3. **1~9999 car number selection**
4. **The light has 4 kinds of effect output**

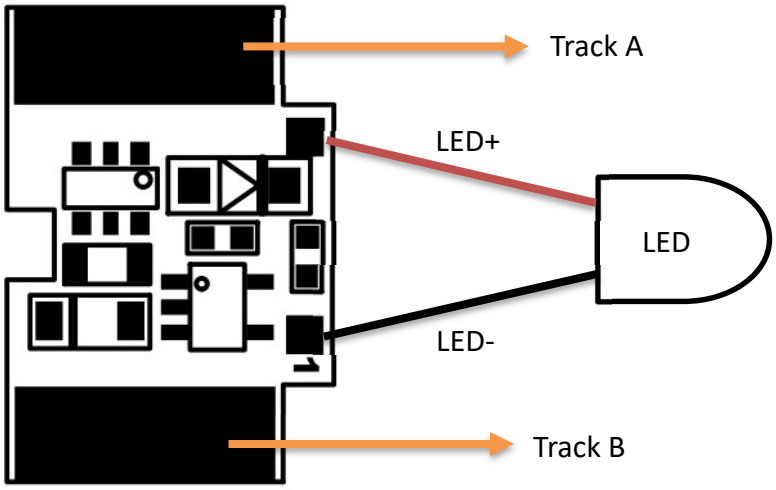
2. Installation Notes





- Please follow the diagram to install the decoder.
- If the installation is not plugged in correctly, it will cause the decoder to fail. Please confirm the installation is correct.

3. Connect the arc lamp



- Connect the LED as shown in the figure. The red wire is connected to the positive terminal of the LED, and the black wire is connected to the negative terminal of the LED. The recommended size of the LED is SMD 0805 or SMD 0603.

4. Precautions

- **Please confirm that the total current consumption of LED installation does not exceed 60mA.**
- **Do not install the chip rail power supply and the light output in reverse to prevent the decoder from burning.**

5. Reset

- To reset back to the factory setting, please write 8 to CV8, and the factory setting will be restored after the writing is completed.

6. CV List

CV	illustrate	Range	Factory
1	Short address	1-127	3
8	Reset	0,8	164
17	Long address Hi byte	192-231	

18	Long address Low byte	0-255	
29	2: Short address 32: Long address		2
100	Brightness adjustment	0-15	15
104	Interior light Effect 0: Normal 1: fluorescent lamp 2: Brightness adjustment 3: Half	0-3	0
108	F1/F3/F5/F7 Turn on the light option for interior lights	0-3	1
112	Arc Lamp Initial Value	0-255	5

7. Fx

Function Key	**illustrate**
F1	Interior lights
F4	Arc light

8. Decoder read/write

- Decoder does not provide read function.
- Please refer to the controller manual for decoder writing.