Prokey Wiegand output remote control
Receiver RRW01 Installation Manual

Data format

26bit Wiegand format – other format available on request.

Site code verification and non-verification (pass through) modes

These two options can be chosen via on-board 2-way DIP setting.

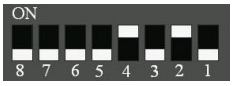
(Off Off)

Pass-through mode (default)

(On Off)

Site-code Verification mode

In the Pass-through mode, the site code won't be verified and any serial numbers will be passed through.

In the Site-code Verification mode, the site code will be verified. Any serial number with non-matching site code will be blocked and won't be transmitted to the access controller. You need to set site code correctly through 8-way DIP setting before operation. For example: for site 10 (decimal), you need to set DIP as 

00001010 (binary). A conversion (decimal-hexadecimal-binary) table is attached over the page.

The on-board 4 x LEDs indicate data passing through for each channel.

Data output

4 channel Wiegand outputs are marked in terminal block as (A0, A1), (B0, B1), (C0, C1), (D0, D1). Each pair consists of Data 0 and Data 1. By default data output is 10KOhm pull up to 12VDC. It can be changed to 5VDC through on-board Jumper setting.

Specifications:

Transmitter

- 433.92 MHz Keeloq rolling code: 4.3 billion combination
- SAW resonator (filter) locked (+/- 75KHz); ASK Super-het technology
- Operating Range: 100m (open air)
- Transmitting power: <10mW
- Battery Life: A minimum of 3 years under normal operating conditions with the recommended battery types: CR2032 from Everyday, Duracell, Malak or Panasonic
- Auto shutoff: the remote stops transmitting if a button gets pressed for 25s
- Can be fitted with a Prox tag

Receiver

- 4-channel standard 26bit Wiegand output; each channel output has LED indication
- Operating voltage: 9-15VDC
- Current: 15mA (12VDC)
- Selectable data Pass-though and Site-code verification operation
- Outdoor application – IP67
- Detachable antenna connection