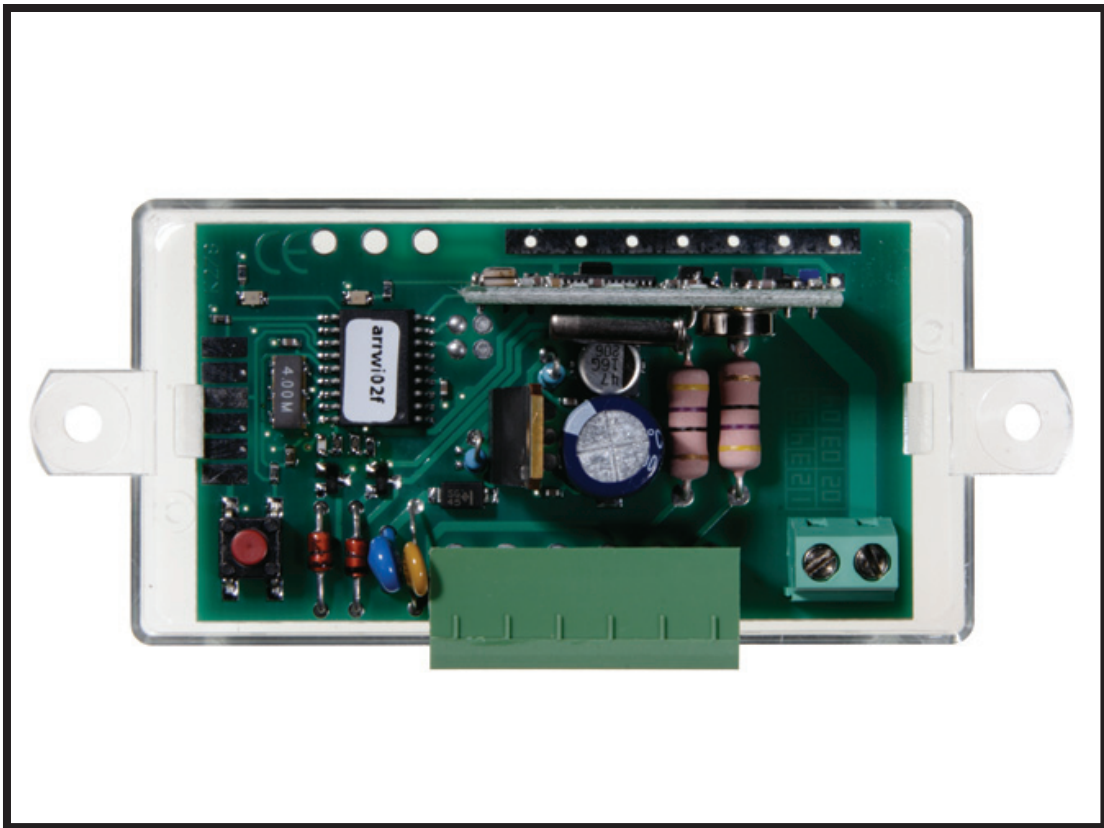


WIEGAND 318 L Receiver



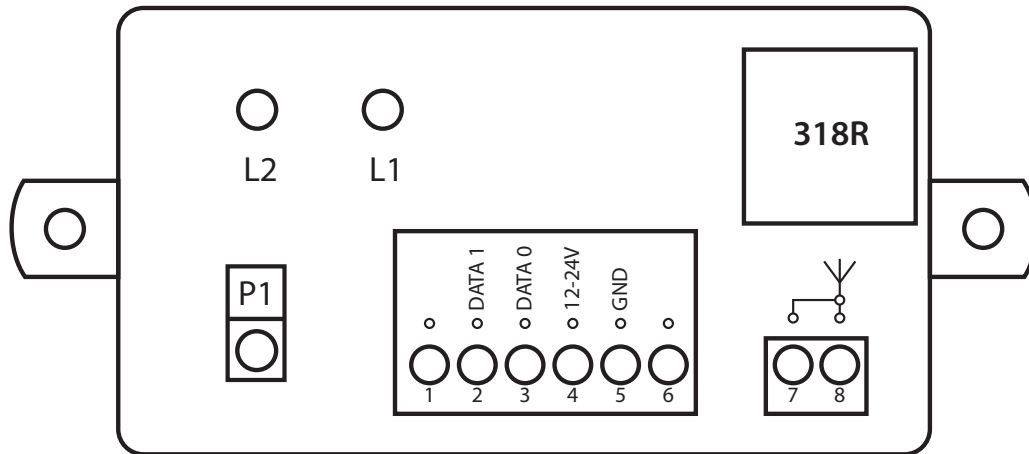
Installation Manual



INTRODUCTION

Transmitter Solutions' 318L is a superheterodyne receiver that operates at 318MHz frequency. The two outputs have an open drain configuration with a 26-bit Wiegand format. This receiver works with Transmitter Solutions 318T: 2-button transmitters.

LAYOUT & CONNECTION TERMINALS



P1: Programming button

L2: Red LED (Indicates: Programming Mode)

L1: Green LED (Indicates: Power supply)

Connection Terminals

1. Not used
2. Output DATA1 (Open collector)
3. Output DATA2 (Open collector)
4. Power Supply (12 – 24V AC/DC)
5. GND – Ground
6. Not used
7. Antenna Shield
8. Antenna Core

INSTALLATION TIPS

- The receiver placement is important for a strong signal.
- Place the receiver far from interference sources such as magnetic fields or radio waves.
- Use shielded cable type: RG58 (impedance 50 Ohm) for the antenna connection.

TRANSMITTER PROGRAMMING

The 318L is able to store up to 50 different combinations of facility codes and key codes.

1. Hold the P1 button until the red LED is on and release.
2. Hold the button on your remote/transmitter until the red LED blinks.

Note: Successfully programmed remotes will blink once. If the red LED blinks twice, then the memory is full or the transmitter is already stored in the receiver.

IGNORE FACILITY CODE MODE

The 318L can ignore facility codes and only check for key codes. Entering the following steps will activate Ignore Facility Code Mode. Ignore Facility Code Mode is activated when the red LED begins blinking. This mode is deactivated when the LED switches back to solid when the steps are repeated.

1. Hold the P1 button until the red LED is on and release.
2. Hold P1 again for 1 second and release

ERASE MEMORY

The following steps will erase all memory of 318L

1. Hold the P1 button until the red LED is on and release.
2. Hold P1 again for 5 seconds until the red LED blinks 3 times.

SPECIFICATIONS

Receiver type:	Superheterodyne
Demodulation:	AM/ASK
Operating frequency:	318 MHz
Local oscillator frequency:	48016 MHz
Intermediate frequency:	10.7 MHz
Sensitivity:	-117 dBm
Input impedance:	50 Ohm
Power supply:	12-24 V AC/DC
Current consumption:	24 mA
Outputs number:	2
Output type:	Wiegand
Max output current	250 mA
Operating temperature:	-20C-70C
Overall dimensions:	105 x 45 x 18 mm
Weight	65g
IP Protection Grade:	IP2X

WARRANTY

The warranty period of Transmitter Solutions' receivers is 24 months from the purchasing date. During this period, if the product doesn't operate correctly due to a defective component, the product will be repaired or replaced at the sole discretion of Transmitter Solutions. The warranty does not extend to the receiver case, which can be damaged by conditions outside the control of Transmitter Solutions.

Note: Any changes of modification to Transmitter Solutions' equipment not expressly approved by Transmitter Solutions could void the manufacturer's warranty.



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