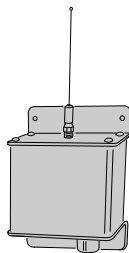


WOR

Wiegand Output Receiver

Installation Instructions

Linear
ACCESSMASTER



MEGACODE
FORMAT

Linear

(619) 438-7000 • FAX (619) 438-7043
USA & Canada (800) 421-1587 & (800) 392-0123
Toll Free FAX (800) 468-1340

INTRODUCTION

The Model WOR remote radio receiver is designed for use as an access control interface for Linear's block coded digital transmitters. The unit receives signals from transmitters, adds a facility code to the data, and sends the information to the Wiegand input of the access control panel via a 5-wire connection.

Several transmitter and receiver options can be set using the unit's dipswitches. Three different Wiegand output formats (26, 30, & 31-bit) are supported. Three receiver options (lockout, hold, & button offset) can be set. Transmitter buttons on multi-button units can be selectively disabled. The facility code is set using 16 dipswitches.

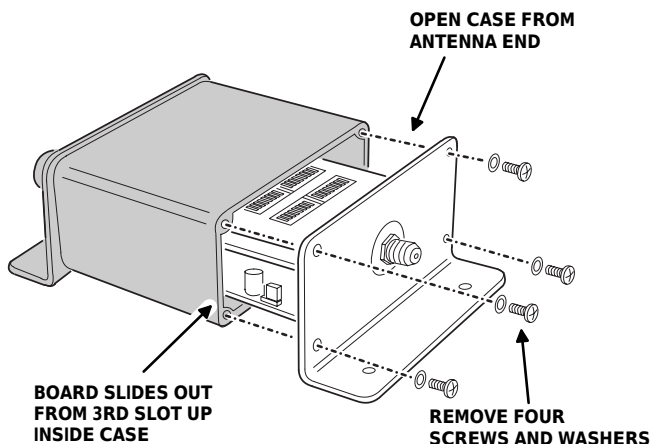
Three antenna types can be used with this receiver. The local whip antenna (supplied) screws directly on to the receiver. The directional (EXA-2000) and omni-directional (EXA-1000) remote antennas attach to the receiver's antenna input via RG-59 cable and a type "F" connector.

An on-board RADIO RANGE knob allows adjustment of the receiver's gain. It can be set to limit the maximum radio range that the receiver can achieve. Two indicators display the receiver's performance and operation. The red RADIO indicator lights when the receiver detects a radio signal. The two color red/green STATUS indicator lights green when the receiver is sending Wiegand data and during the 1-second post receiver lockout timer (if receiver lockout is enabled). The indicator turns red when the receiver's HOLD input (connected to the access control panel) is active. Receiver test points are provided for listening to the incoming signals with an audio amplifier.

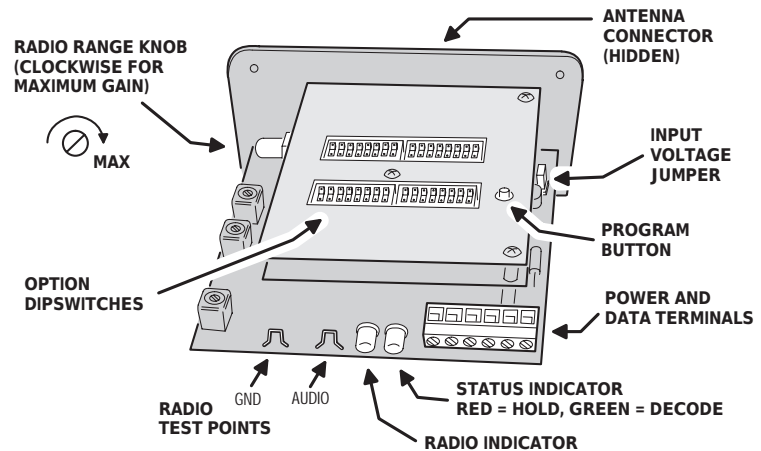
Power input to the receiver can be either regulated 5 volts or 8-24 volts DC (jumper selected).

The receiver is housed in a weather-resistant enclosure and can be mounted indoors or outdoors. Gaskets and a weather-tight wiring strain relief seal the unit from the elements.

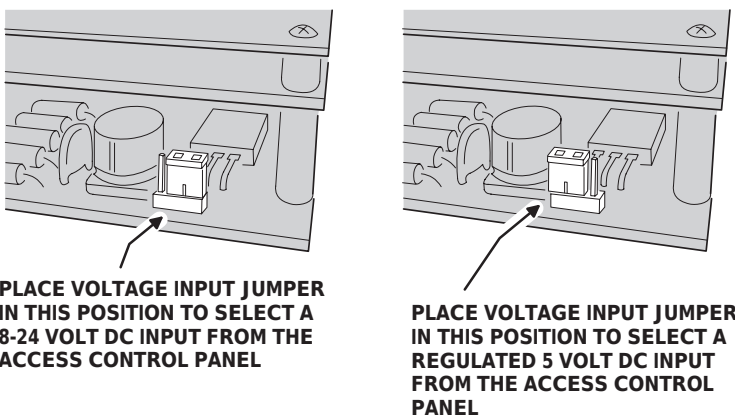
1. OPEN CASE



2. LOCATE COMPONENTS



3. SET VOLTAGE INPUT JUMPER



4. SET OUTPUT FORMAT & RECEIVER OPTIONS

WIEGAND OUTPUT FORMAT

SWITCH 1 26-BIT } SELECT THE WIEGAND OUTPUT FORMAT THAT MATCHES THE ACCESS CONTROL SYSTEM BEING USED

SWITCH 2 30-BIT

SWITCH 3 31-BIT

BUTTON OFFSET TABLE			
LEFT	RIGHT	TOP	BOTTOM LEFT OR RIGHT
0	16384	32768	49152

RECEIVER OPTIONS

SWITCH 1 - LOCKOUT DISABLE

OFF - (FACTORY SETTING) CAUSES RECEIVER TO IGNORE TRANSMITTER SIGNALS FOR ONE SECOND AFTER A VALIDATED TRANSMISSION.

ON - ALLOWS RECEIVER TO PASS WIEGAND DATA INSTANTLY WITH EACH VALIDATED TRANSMISSION.

SWITCH 2 - HOLD ENABLE

OFF - (FACTORY SETTING) HOLD INPUT SIGNALS ARE IGNORED.

ON - WHEN HOLD INPUT IS ACTIVE, ANY WIEGAND DATA WILL BE HELD FOR A MAXIMUM OF ONE SECOND THEN DISCARDED UNLESS THE HOLD INPUT IS RELEASED DURING THE ONE SECOND TIME.

SWITCH 3 - BUTTON OFFSET ENABLE

OFF - (FACTORY SETTING) TRANSMITTERS PASS THEIR ID NUMBER TO THE WIEGAND OUTPUT WITHOUT ANY CHANGES.

ON - THE TRANSMITTER ID IS OFFSET TO THE RANGE ABOVE, BASED ON WHICH BUTTON IS PRESSED.

5. SET TRANSMITTER FACILITY CODE

SET XMTR FACILITY CODE SWITCHES TO MATCH THE FACILITY CODE PRE-PROGRAMMED INTO TRANSMITTER BLOCK

XMTR FACILITY CODE SWITCHES

	SWIT 0	SWIT 1	SWIT 2	SWIT 3
0				
1				
2				
3				
4				
5				
6				
7				
8				
9				
10				
11				
12				
13				
14				
15				

TRANSMITTER BLOCK FACILITY CODE 0-15 (ASSIGNED WHEN TRANSMITTER BLOCK IS ORDERED FROM LINEAR)

■ = SWITCH ON

□ = SWITCH OFF

NOTE: THE FACTORY SETTINGS OF FACILITY CODE "0" WILL ALLOW VALIDATION OF ANY TRANSMITTER FACILITY CODE

6. SET TRANSMITTER BUTTON OPTIONS

BOTH FUNCTION AS LEFT BUTTON

TOP BUTTON

LEFT BUTTON

RIGHT BUTTON

THE FACTORY SETTING ALLOWS ALL TRANSMITTER BUTTONS TO OPERATE

SET XMTR BUTTON DISABLE SWITCH(ES) ON TO PREVENT SELECTED TRANSMITTER BUTTONS FROM OPERATING

SWITCH 4 - TOP

SWITCH 5 - BOTTOM RIGHT

SWITCH 6 - BOTTOM LEFT

SWITCH 7 - RIGHT OR TOP RIGHT

SWITCH 8 - LEFT OR TOP LEFT

