

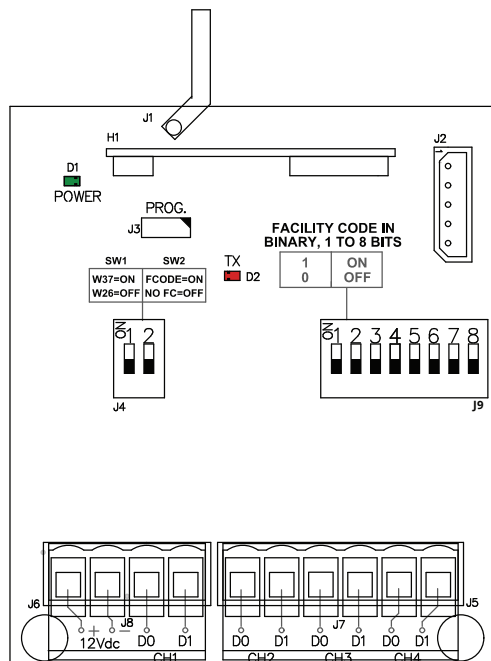
CV-WRX4

Wiegand Receiver

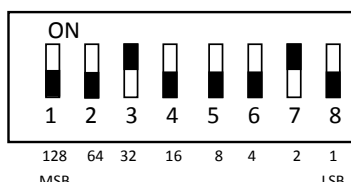
INSTALLATION INSTRUCTIONS

THIS PACKAGE INCLUDES:

- (1) CV-WRX4 Receiver
- (2) #6 Wall Plugs
- (2) #6 x 1-1/4" Screws
- (1) Cable Plug



CV-WRX4 receiver is designed for use with Camden CV-WTX2 transmitters. The transmitter signal is codified in two different protocols according to its configuration: Wiegand 26 and Wiegand 37. The receiver provides facility codes 1 to 255 by DIP switch J9 using 8 bit binary configuration.



The DIP switch positions set the facility code.

For example:
34. SW#3 = 32. SW#7 = 2.

The total = 32 + 2 = 34

+
12V dc supply

CH1
Decoded signal output (D0 Wiegand)
Decoded signal output (D1 Wiegand)

-
12V dc supply

CH2
Decoded signal output (D0 Wiegand)
Decoded signal output (D1 Wiegand)

1. TECHNICAL CHARACTERISTICS

Power Supply	12V DC (9VDC - 21VDC)
Frequency	868.35 MHz
Consumption Standby / Operating	14mA / 36mA
Operating Temperature	-4°F to +185°F (-20°C to +85°C)
IP Rating	IP54 (IP65 with cable plug installed)
Dimensions	3 1/4" W x 7 3/8" H x 1 5/8" D (82mm x 187mm x 42mm)

2. INSTALLATION AND CONNECTIONS

Attach the rear part of the enclosure to the wall using the plugs and screws supplied. Pass the cables through the grommet of the enclosure. Connect the power cables to the terminals marked on the mother board, as indicated.

Mount the receiver cover and pass the cables and the antenna through it.

3. OPERATING

Configuration and connection for the different protocols.

Protocol	Power Supply	Signal Outlet	SW1 Protocol	Format
Wiegand 26	+ -	D0 and D1	Off	8 bits facility code + 16 bits credential ID number
Wiegand 37	+ -	D0 and D1	ON	-

Note: To use other protocols, contact Camden.

Operations

The green power on LED will illuminate when power is provided. The red signal LED will illuminate for the duration it receives the message from the transmitter.

If the red LED does not illuminate when the transmitter button is pressed, the receiver is not receiving the transmission signal from the transmitter. Reduce the distance to the receiver, and verify the transmitter is working as suggested

Refer to Facility Code DIP switch table to select the value of facility code to be sent from the receiver.

4. CONVERSION TABLE (DECIMAL TO BINARY)

* Facility Code: SW1-8, 0=OFF/1=ON

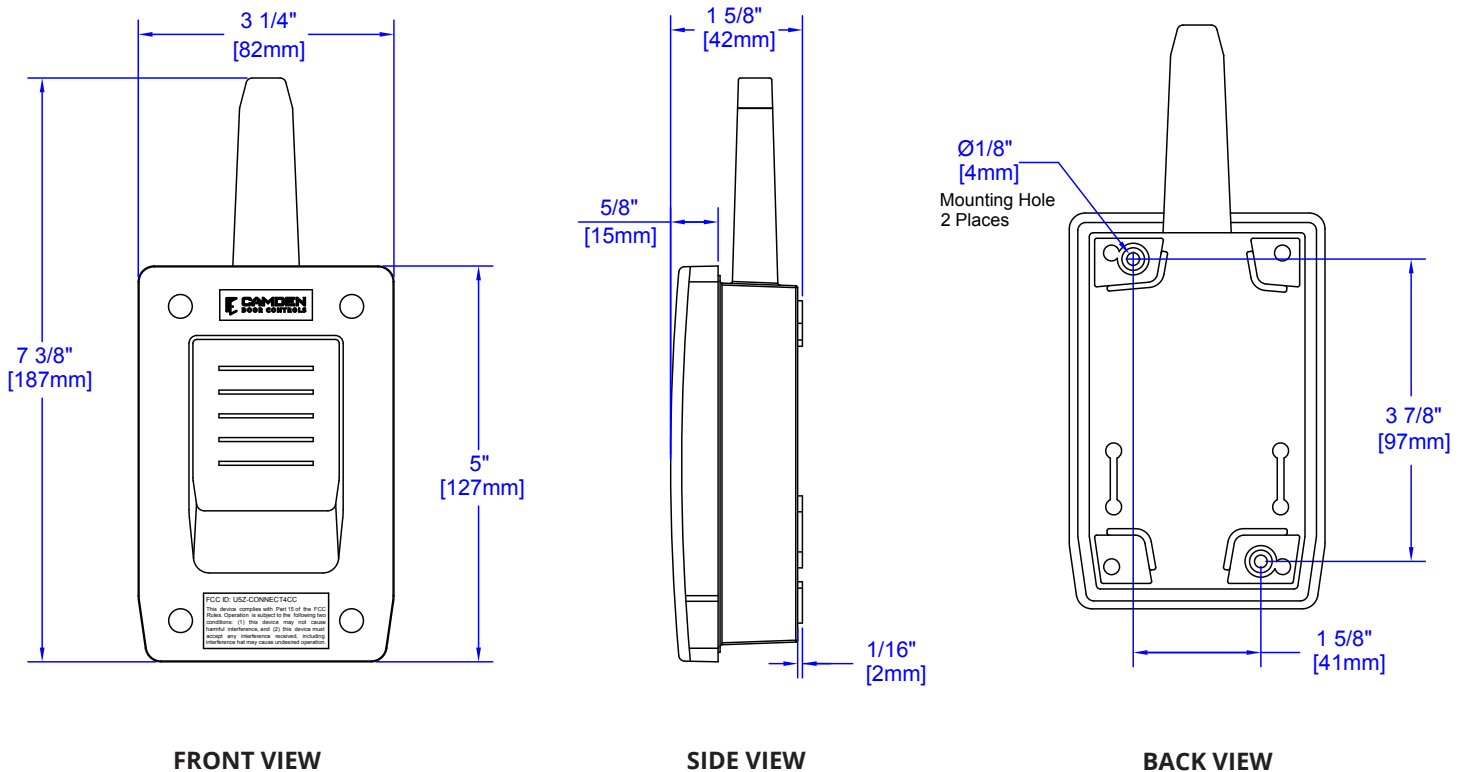
DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY
0	00000000	16	00010000	32	00100000	48	00110000
1	00000001	17	00010001	33	00100001	49	00110001
2	00000010	18	00010010	34	00100010	50	00110010
3	00000011	19	00010011	35	00100011	51	00110011
4	00000100	20	00010100	36	00100100	52	00110100
5	00000101	21	00010101	37	00100101	53	00110101
6	00000110	22	00010110	38	00100110	54	00110110
7	00000111	23	00010111	39	00100111	55	00110111
8	00001000	24	00011000	40	00101000	56	00111000
9	00001001	25	00011001	41	00101001	57	00111001
10	00001010	26	00011010	42	00101010	58	00111010
11	00001011	27	00011011	43	00101011	59	00111011
12	00001100	28	00011100	44	00101100	60	00111100
13	00001101	29	00011101	45	00101101	61	00111101
14	00001110	30	00011110	46	00101110	62	00111110
15	00001111	31	00011111	47	00101111	63	00111111

DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY
64	01000000	80	01010000	96	01100000	112	01110000
65	01000001	81	01010001	97	01100001	113	01110001
66	01000010	82	01010010	98	01100010	114	01110010
67	01000011	83	01010011	99	01100011	115	01110011
68	01000100	84	01010100	100	01100100	116	01110100
69	01000101	85	01010101	101	01100101	117	01110101
70	01000110	86	01010110	102	01100110	118	01110110
71	01000111	87	01010111	103	01100111	119	01110111
72	01001000	88	01011000	104	01101000	120	01111000
73	01001001	89	01011001	105	01101001	121	01111001
74	01001010	90	01011010	106	01101010	122	01111010
75	01001011	91	01011011	107	01101011	123	01111011
76	01001100	92	01011100	108	01101100	124	01111100
77	01001101	93	01011101	109	01101101	125	01111101
78	01001110	94	01011110	110	01101110	126	01111110
79	01001111	95	01011111	111	01101111	127	01111111

DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY
128	10000000	144	10010000	160	10100000	176	10110000
129	10000001	145	10010001	161	10100001	177	10110001
130	10000010	146	10010010	162	10100010	178	10110010
131	10000011	147	10010011	163	10100011	179	10110011
132	10000100	148	10010100	164	10100100	180	10110100
133	10000101	149	10010101	165	10100101	181	10110101
134	10000110	150	10010110	166	10100110	182	10110110
135	10000111	151	10010111	167	10100111	183	10110111
136	10001000	152	10011000	168	10101000	184	10111000
137	10001001	153	10011001	169	10101001	185	10111001
138	10001010	154	10011010	170	10101010	186	10111010
139	10001011	155	10011011	171	10101011	187	10111011
140	10001100	156	10011100	172	10101100	188	10111100
141	10001101	157	10011101	173	10101101	189	10111101
142	10001110	158	10011110	174	10101110	190	10111110
143	10001111	159	10011111	175	10101111	191	10111111

DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY	DECIMAL	BINARY
192	11000000	208	11010000	224	11100000	240	11110000
193	11000001	209	11010001	225	11100001	241	11110001
194	11000010	210	11010010	226	11100010	242	11110010
195	11000011	211	11010011	227	11100011	243	11110011
196	11000100	212	11010100	228	11100100	244	11110100
197	11000101	213	11010101	229	11100101	245	11110101
198	11000110	214	11010110	230	11100110	246	11110110
199	11000111	215	11010111	231	11100111	247	11110111
200	11001000	216	11011000	232	11101000	248	11111000
201	11001001	217	11011001	233	11101001	249	11111001
202	11001010	218	11011010	234	11101010	250	11111010
203	11001011	219	11011011	235	11101011	251	11111011
204	11001100	220	11011100	236	11101100	252	11111100
205	11001101	221	11011101	237	11101101	253	11111101
206	11001110	222	11011110	238	11101110	254	11111110
207	11001111	223	11011111	239	11101111	255	11111111

5. CV-WRX4 WIEGAND RECEIVER FRONT, SIDE AND BACK VIEW



6. USE OF THE RECEIVER

This receiver interface is designed to work with remotes to control overhead doors or barrier gates. Their use is not guaranteed for directly activating any other equipment.

Camden reserves the right to modify equipment specifications without prior notice.

7. IMPORTANT APPENDIX

- This equipment must be installed in a vertical position, and firmly affixed to the building structure.
- This equipment is designed for use as a remote control for overhead doors and access control. Its use is not guaranteed for directly activating any other equipment different to that specified.
- Camden reserves the right to modify equipment specifications without prior notice.

COMPLIANCE

This device complies with Part 15 of the FCC Rules and Industry Canada licence-exempt RSS standard(s). Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.