

Wiegand Reader User Guide

ECL-ACC910 / ECL-ACC900WR /
ECL-ACC990LR

Wiegand Reader User Guide

ECL-ACC910 / ECL-ACC900WR /
ECL-ACC990LR

FC CE RoHS 4370842

1. Main Features



- A Various programmable output formats WGS34, ABA-8, ASYNC & DMPDM
- B Anti-pass-back available, depending upon system configuration
- C Built-in Anti-tailgating to prevent the system from locking up
- D Easily integrated with Eclipse or other access control systems

Item Number	ACC910	ACC900WR	ACC990LR
RF Frequency	125KHz	125KHz	125KHz
Voltage	9-16 VDC	12-16 VDC	12-16 VDC
Power Consumption	75 mA	125 mA	390 mA
Communication Interface	WG26 / 34, ABA-8, ASYNC		
Exit Flare	90°	90°	90°
Operating Temperature	-20°C to +70°C		
Proximity Reading Range	10-18 cm (3.9-7.1 in)	13.8 cm (5.4 in)	33.8 cm (13.3 in)
Indicator	1 to-color LED and 1 beeper	2 LEDs and 1 beeper	2 LEDs and 1 beeper
Keypad	No	Yes	Yes
Interproof	Optional	No	Yes
Color	Gray / Silver	Gray	Gray
Dimension (mm)	81(L) x 42(W) x 15(H)	111(L) x 77(W) x 25(H)	228(L) x 142(W) x 25(H)
M/W (g)	40 x 5	90 x 15	1,000 x 50
Housing Material	ABS	ABS	ABS

2-1. ECL-ACC910 Terminal Cable

Wire Application	Wire	Color	Description
Power	1	Red	DC Power +5V
	2	Black	DC Power GND
LED	3	Yellow	LED Red (High / Low Bright)
	4	Blue	LED Green (High / Low Bright)
Wiegand	5	Blue	Wiegand Data 1
	6	Green	Wiegand Data 0
Beeper	7	Purple	Beeper High (Low Sound)
	8	White	Beeper Ground
Beeper	9	Gray	Beeper Output

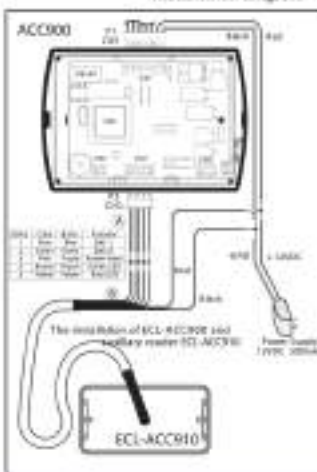
Output Selection	WGS34	WGS34	WGS34	WGS34
Output	WGS34	WGS34	WGS34	WGS34
WGS34	WGS34	WGS34	WGS34	WGS34
ABA-8	WGS34	WGS34	WGS34	WGS34

ECL-ACC910 (WGS34) Format: (WGS34, 8, 1)
WGS34: 17.5, Wiegand Data 1 (Low Sound) or PC output port 1
DATA: 17.5, Wiegand Data 0 (Low Sound) or PC output port 0



2-2. ECL-ACC910 & ECL-ACC900

Installation diagram



2-3. ECL-ACC910 & ECL-ACC995

Installation diagram



2-4. ECL-ACC900WR & ECL-ACC905

Installation diagram

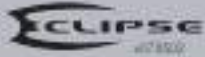


3-1. ECL-ACC900WR Terminal Cable

Wire Application	Wire	Color	Description
Power	1	Red	DC Power +5V
	2	Black	DC Power GND
LED	3	Yellow	LED Red (High / Low Bright)
	4	Blue	LED Green (High / Low Bright)
Wiegand	5	Blue	Wiegand Data 1
	6	Green	Wiegand Data 0
Beeper	7	Purple	Beeper High (Low Sound)
	8	White	Beeper Ground
Beeper	9	Gray	Beeper Output

Wiegand Output Format

Wiegand Output Format	WGS34	WGS34	WGS34	WGS34
WGS34	WGS34	WGS34	WGS34	WGS34
WGS34	WGS34	WGS34	WGS34	WGS34
WGS34	WGS34	WGS34	WGS34	WGS34



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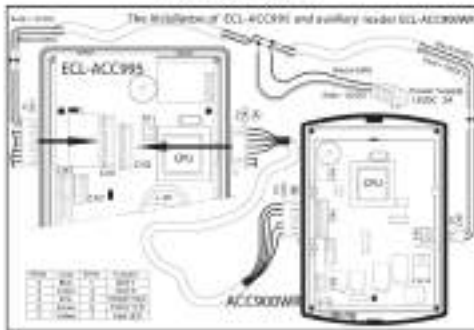
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3-3. ECL-ACC900WR & ECL-ACC995 Installation diagram



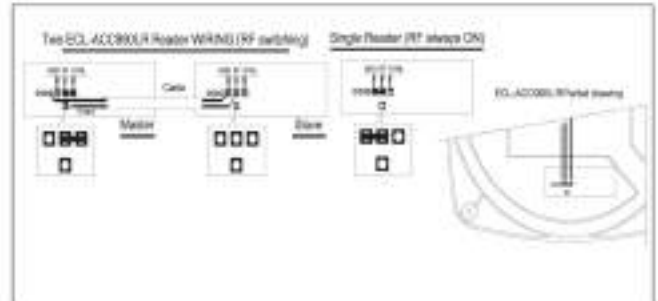
4-1. ECL-ACC990LR Installation Notice

Minimum distance between ECL-ACC990LRs
other proximity Reader (200cm)



4-2. ECL-ACC990LR Wiring

When the distance between 2 pcs ECL-ACC990LR is less than 6 meter (suggestion value), we can use the following
ways to solve in order to avoid interference with each other to result in reading distance decreases.



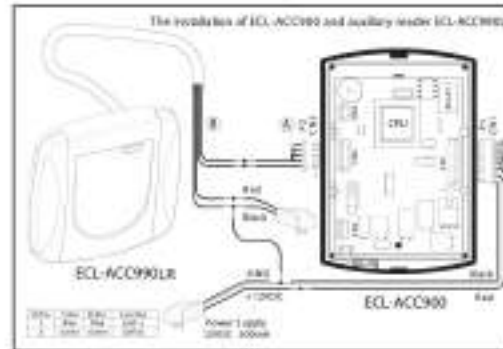
4-3. ECL-ACC990LR Terminal Cable

Table - Color Coding				
Wire Application	Wire	Color	Description	Remark
Power	1	Red	12 ~ 18VDC	Applied
	2	Black	Power Ground	
Wiegand	3	Blue	Wiegand DNT1	Open collected
	4	Green	Wiegand DNT2	Open collected
Reader	5	White	Card Present	
	6	Purple	Reader Output	
Output Selection	7	Yellow	SEL1	
	8	Brown	SEL2	

Output Selection				
Output	WG35	WG34	ES-ES2	WG34 + 4
SEL1	Open	Close to GND	Open	Close to GND
SEL2	Open	Open	Close to GND	Close to GND

Note:
WG34+4: Follow V101 after WG34 data stream for reader identification.
See Also: ECL-ACC990 do not pass back with 2 pcs of ECL-ACC990LR.

4-4. ECL-ACC990LR & ECL-ACC990 Installation diagram



4-5. ECL-ACC990LR & ECL-ACC995 Installation diagram

