



APPLICATION NOTE



1. COMPATIBILITY

The Keypad is compatible with EWS controller with small limitations

The keypad can work with EWS in these modes:

- 1. PIN code **OR** Card
- 2. PIN Code AND Card
- 3. CARD only

1. PIN code AND card (double security) works perfectly well.

2. PIN code OR card works fine with these limitations:

The PIN code can be up to 5 digits.

If in the same installation, there are Proximity readers and Rosslare keypad, the Pin code must be put as different User. That means, if the User has card with Number 5349221, the PIN code cannot be that number. It must be bellow 65535 and must be registered as different User. In other words, in mixed network (prox. readers and keypads) the door can be opened without problem but for 1 person we have to have 2 users like: John Smith1 and John Smith2. Where John Smith1 as ID has the Card Number and John Smith2 as ID has the PIN code. This applies to all third party controllers. The keypad is made like that.

3. Card only works perfectly well.

The keypad can be set to give output for PIN codes that is not recognizable by EWS. In that way the EWS will receive just the cards.

2. HOW TO SET THE KEYPAD AND THE EWS CONTROLLER

Connection:

Wire Rosslare	AYC-Q64B	EWS	Terminal block
White		D1	
Green		DO	
Red		+12V	
Black		GND	

Default settings of Rosslare AYC-Q64B kepad

• By default, for both the Rosslare keypad and the EWS controller:

1. The card works good and the correct number is presented on the PROS event window.

2. The PIN code does not work. The keypad must be set.

2.1 HOW TO SET PIN CODE AND CARD (DOUBLE SECURITY)

• In the keypad:

- 1. Press ####
- 2. Press 1234
- 3. Press 1
- 4. Press 5

These are settings for the keypad described on page 15, 16 of AYC-Q64B Instruction manual, "Selecting Keypad Transmission Format", "Option5: "1 to 5 Keys + facility Code, 26-Bit Wiegand""

v.b1



1. Press ####

- 2. Press 1234
- 3. Press 2
- 4. Press 3

These are settings for the keypad described on page 21, 22 of AYC-Q64B Instruction manual, "Selecting Prox. Card Transmission Format", "Option3: Wiegand card+PIN"

• In the PROS software:

Go to Reader/Properties. For Reader Type select "LCSP", for Entry Mode select "Keycode and Card" as presented on the picture bellow.

Name	Hold Open Reader2	
Туре	LCSP	
Entry Mode	Card and Keycode	
Door	Door2	~
Wiegand type	Wiegand26	~
Enable access by time zones		
Bypass Antipassback		
Exit from	Outside	~
Entry to	Inside	~
Antipassback reset time	00:00	-
Free access 24/7		
If 0 ilegal attempt, dis	sable for 0 minutes	

The user settings must contain User ID(Card Number) and Keycode (PIN code).

Find user	-	Lincome	1	
	Y	Osername	Card rosslare	
Name	- V =	User ID's (Card numbers)	5349221 Keycode	00321
Card 1		Site code 81 U	ser code 40805	
Card 10				
Card 11	0 =	1		
Card 12		🚳 Basic 🛄 Output contro	D Biometry	
Card 13				
Card 14		Acress level	Unlimited	*
Card 15			General	
Card 16		Department	General	
Sard 17		Workgroup	None	~
Card 18		Valid from	6/12/2012	
Card 19		Mallehand	10.01.0000	
Card 2		Valid until	12/31/2044	
Card 20		Apply Anti-pass policy	1	Satimana
ard 3	E1	TRA		Jermage
Card 4		Official locaria conda	-	Unsetimage
Card 5		Unicial leave cards		
Card 6		Private leave cards		
Card 7				
Card 8				
Card 9	0			
Card rosslare				

If all the settings are done, present the card with number 5349221 and the keypad will start to blink awaiting for the PIN Code. Then press 00321 (or 321#) and Access will be granted.

Note: The PIN Code cannot be 00000.



2.2 HOW TO SET PIN CODE OR CARD

• In the keypad:

- 1. Press ####
- 2. Press 1234
- 3. Press 1
- 4. Press 5

With these settings PIN codes that can be used : 1 up to 65535

For 1 to 4 Digit codes (1 to 9999), "#" must be applied in the end the code to be sent. 5 digit codes are sent directly.

• In the PROS software:

For the Reader leave the default settings (proximity reader).

Name	Hold Onen Reader?		
Туре	Proximity		
Door	Door2		
Wiegend type	Wiegand26	*	
Enable access by time zones	Ø		
Bypass Antipassback			
Exit from	Outside	×	
Entry to	Inside	×	
Antipassback reset time	00.00	10	
Free access 24/7			
r 0 ilegal attempt, di	sable for 0 minutes		

In Users, create 2 users (John Smith1 and John Smith2).

In the field User ID for John Smith1 put the card number.

In the field User ID for John Smith2 put the PIN Code (must be smaller than 65535).

Find user	Username	John Smith 1		
	Liser Ers (Card numbers)	E24022* Keycode		
Name • Y	and the standard university	15343221		
	Site code 81 U	ser code 40805		
Cand to	.49			
		au		
Card 12	Basic Cutput contro	16		
Card 14		The second		
Card 15	Access level	Unimited	M	
Card 16	Department	General	*	
Cert 17	Workmoun	None	~	
Cord 18	in the	511000010 Jul		
Card 19	Vaid from	6/12/2012		
Card 2	Valid until	12/31/2099		
Card 20	Apply Anti-pass policy	(P)	1	
card 3	CARGO CONTRACTOR			Setimage
Card 4	T&A		1	Classes include
Card 5	Official leave cards		1	Onserimage
Card 6	Private leave cards			
Card 7	L			
Card 8				
Card 9				
Card rossiare	MET			



Find user					
		Username	John Smith2		
Name	+ 9	User ID's (Card numbers)	54321 Keycod	9	
Card 1		Sile code 0 U	ser code 54321		
Card 10			La constantina de la constant		
Card 11		191			
Card 12		Basic L Output contro	4		
Card 13			64 ²		
Card 14		Access level	Unlimited	-	
Card 15			General		
Card 16		Department	General		
Card 17		Workgroup	None	*	
Card 18		Valid from	6/12/2012		
Card 19		Malid until	100000000000000000000000000000000000000		
Card 2		valid until	1513115034		
Card 20		Apply Anti-pass policy	e	1	Satimode
card 3		TRA			Sarana Ja
Card 4		Official lanca courts	-		Unsetimage
Card 5		Unicial reave cards			
Card 6		Private leave cards			
Card 7					
Card S					
Cerd 9					
Card rossiare					

If all the settings are done, present the card with number 5349221 and the user John Smith1 will be granted access. Type the Pin Code 54321 and the user John Smith2 will be granted access.

2.3 HOW TO SET CARD ONLY

• In the keypad:

- 1. Press ####
- 2. Press 1234
- 3. Press 1
- 4. Press 1

These are settings for the keypad described on page 15, 16 of AYC-Q64B Instruction manual, "Selecting Keypad Transmission Format", "Option1: Single Key, 6-bit Wiegand (Rosslare Format)"

• In the PROS software:

For the Reader leave the default settings (proximity reader).

Name	Hold Open Reader?	
Туре	Proximity	× 1
Door	Door2	*
Wiegand type	Wiegand26	*
Enable access by time zones		
Bypass Antipassback		
Exit from	Outside	*
Entry to	Inside	~
Antipassback reset time	00.00	101
Free access 24/7		
I 0 ilegal attempt di	sable for 0 minutes	
i a liega adempt a	addre for the sine des	

All product specifications are subject to change without notice.

