



DUPROX



INSTALLER MANUAL

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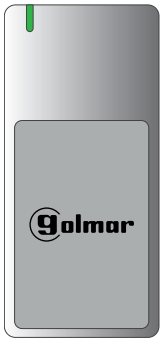
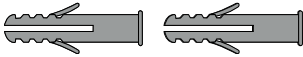
2.INTRODUCTION

Manual for the installation of the DUPROX reader, reader with dual proximity antenna to be used in slave operation by means of Wiegand technology.

3.SPECIFICATIONS

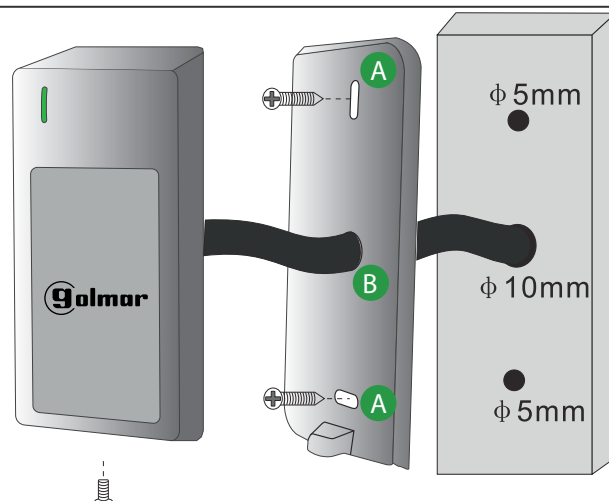
Material	Zinc alloy
Protection degree	IP-66 and IK-10
Input voltage	9-18Vdc
Current	Standby current: ≤ 50mA
Transmission format	Wiegand 26-58 bits
Reading frequency	125KHz and 13.56MHz
Type of valid card	EM and MIFARE
Reading range	2-6cm
Working temperature range	-40 ~60° C
Working humidity range	0-98% (non-condensing)
Dimension (Width x Height x Depth):	49(W) x 105(H) x 21(D)mm

4.PRODUCT CONTENT

 DUPROX reader		Fixing blocks.
		Screws.
		Allen key for fastening screws.
		Remote control for programming.

5.INSTALLATION

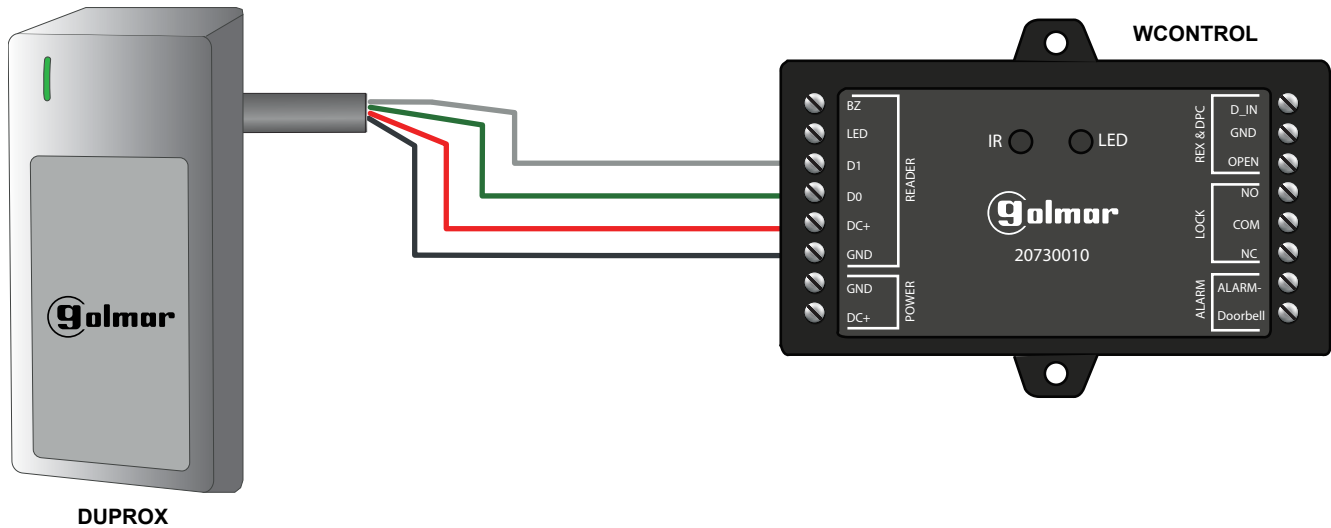
- 1 Unfasten the screw at the bottom and remove the reader from the base.
- 2 Drill a pair of holes in the wall (A) for the fixing blocks and another for the cables (B).
- 3 Place the fixing blocks in the holes (A).
- 4 Pass the cable through the hole (B).
- 5 Fasten the base to the wall with the screws provided.
- 6 Fit the reader into the base and secure both parts with the screw at the bottom.



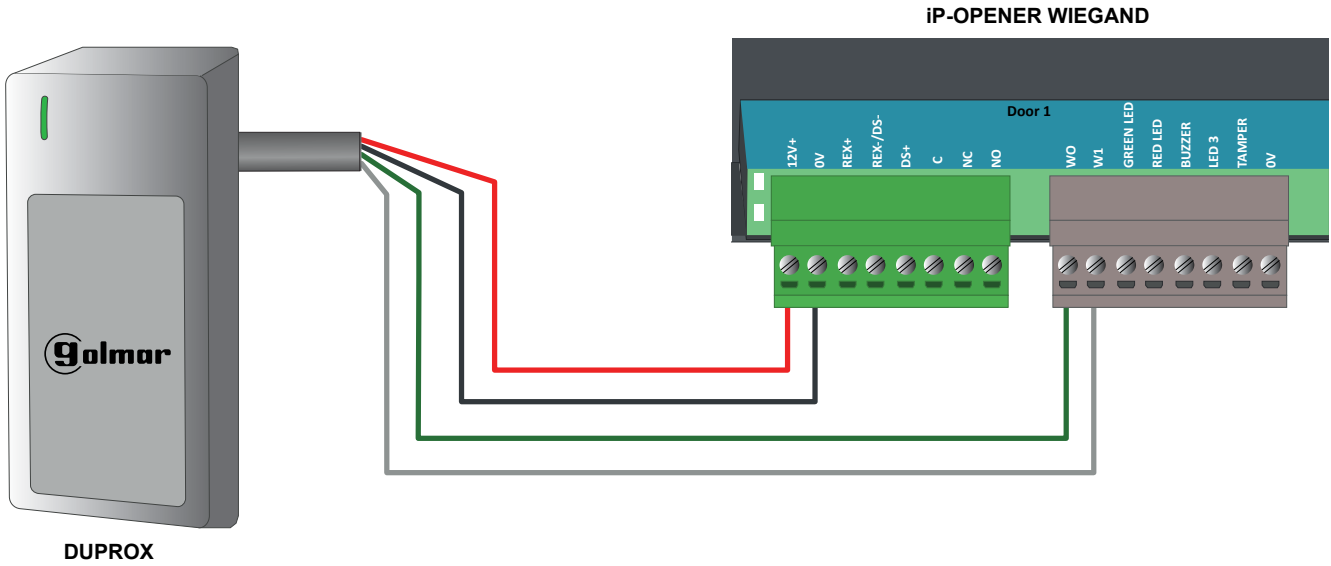
6.CONNECTION

WIRE COLOUR	FUNCTION	DESCRIPTION
Red	9-18Vcc	Input 9-18DC current
Black	GND	GND
Green	D0	Wiegand Data 0 output
White	D1	Wiegand Data 1 output
Brown	Led	Transmit led status in reader
Yellow	Buzzer	Transmit buzzer status in reader

7.WCONTROL CONNECTION DIAGRAM



8.iP-OPENER CONNECTION DIAGRAM



9.PROGRAMMING

9.1. WCONTROL PROGRAMMING

Below is an overview of how to proceed with the registration of credentials in WCONTROL, for more detailed information please refer to the manual 'IM_ENG_REV0125_WCONTROL'.

Perform the following sequence using the programming remote control to register credentials in the WCONTROL controller:

CARD REGISTRATION (SPECIFIC ID)

Maximum number of records is 990. User IDs from 0 to 989.

Enter administrator mode								
*	MASTER CODE	#	1	USER ID (0-989)	#	APPROACH CARD		

Example: * 987654 # 1 1 # APPROACH CARD

IMPORTANT: do not enter user IDs with zeros before the ID value.

9.2. iP-OPENER PROGRAMMING

Below is an overview of how to proceed with the registration of credentials in iP-Opener, for more detailed information, please refer to the manual 'USM_ENG_REV0124_IPOP_END_USER_MANAGEMENT'.

EM CARD REGISTRATION

Create a user with 'Third-party credential (decimal)' credential and register the ID of the TAGKEY ID keyfob or PROKEY ID card. In case you have the GM-USB-125 programmer, pass the identification through it after creating the 'Third-party credential (decimal)' credential.

Type	Third-party credential (decimal)	
Code (numeric)	0013412891	
Colour		

MIFARE CLASSIC CARD REGISTRATION

Create a user with 'MIFARE Classic® FDI keyfob' credential and register the ID of the KEYPROX SE key fob or ISOPROX card. In case you have the GM-USBIPOP programmer, pass the identification through it after creating the 'MIFARE Classic® FDI keyfob' type credential.

Type	MIFARE Classic® FDI keyfob	
Code	7013EBA6	
Colour		

MIFARE PLUS CARD REGISTRATION

Create a user with 'MIFARE Plus® FDI keyfob' credential and register the ID of the TAGDOOR MF+ or CARDDOOR MF+ card. In case you have the GM-USBIPOP programmer, pass the identification through it after creating the 'MIFARE Plus® FDI keyfob' type credential.

Type	MIFARE Plus® FDI keyfob	
Code	8077477A936604	
Colour		

10. FORMAT SETTINGS

In case using Golmar readers it is not necessary to perform any of the following programming.

10.1. SET WIEGAND FORMAT FOR EM CARDS

By default the output format for EM card reading is Wiegand 26bits. In case third-party readers are used, it is possible to change the output format using the following sequence:

Enter administrator mode					
*	MASTER CODE	#	1	26~44 (Wiegand bits to be set)	#

Example: * 987654 # 1 34 #

10.2. SET WIEGAND FORMAT FOR MIFARE CARDS

By default the output format for MIFARE card reading is Wiegand 34bits. In case third-party readers are used, it is possible to change the output format using the following sequence:

Enter administrator mode					
*	MASTER CODE	#	3	26~44, 56, 58 (Wiegand bits to be set)	#

Example: * 987654 # 3 26 #

In the MIFARE output format it is possible to set the reader to automatically recognise the card format (4-byte card output WG34, 7-byte card output WG58) by following the sequence below:

Enter administrator mode					
*	MASTER CODE	#	3	0 (applies only to WG34 and WG58)	#

Example: * 987654 # 3 0 #

11. RESET TO FACTORY SETTINGS

The reset restores the reader to factory defaults. The sequence to be performed is as follows:

Enter administrator mode					
*	MASTER CODE	#	5	0	#

Example: * 987654 # 5 0 #

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