



# EL632/IP VIDEO MODULE

## INSTRUCTIONS MANUAL

INTRODUCTION

First and foremost we would like to thank you for purchasing this product. Our commitment to satisfying our customers can be seen from our ISO-9001 certification and from the manufacturing of products like this one. Its advanced technology and exacting quality control will ensure that customers and users enjoy the many features this system offers. To obtain the maximum benefit from these features and a properly wired installation, we kindly recommend that you spend a few minutes of your time reading this manual.

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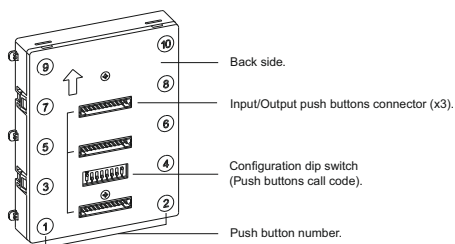
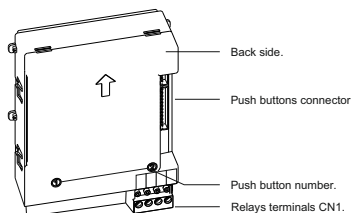
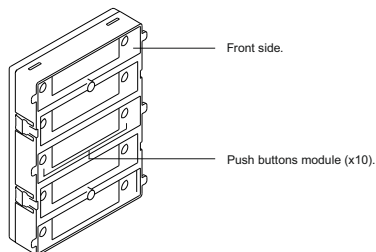
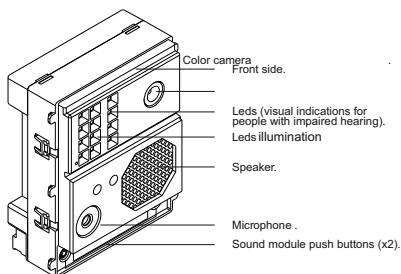
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SAFETY PRECAUTIONS

- Do not use excessive force when tightening the monitor's connection block screws.
- **Always disconnect the power supply** before making modifications to the equipment.
- The installation and handling of these devices must be carried out by **authorised personnel**.
- All of the wiring must run at least **40cm away from any other wiring**.
- Install the monitor in a dry and protected place without risk of drip or water projections.
- Do not place in humid, dusty or smoky locations, or near sources of heat.
- Before connecting the system to the mains, check the connections between the door panel, power supplies, switches and monitors.
- Always follow the instructions contained in this manual.

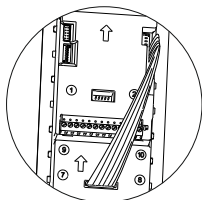
## DESCRIPCIÓN GENERAL



- R1 : "C" contact free for lock release Relay 3.  
R1 : "N.O" contact free for lock release . Relay 3.  
R2 : Positive ground .  
R2 : Digital communication .

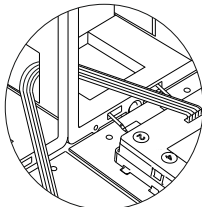
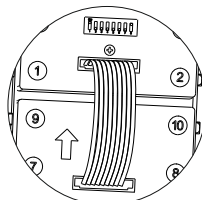
Note: See installation diagrams for wiring.

**P**lug the push buttons with the short connection cable.



Insert the short connection cable that it is supplied with the product EL610D, in the push buttons connector of the sound module and the other end of the connection cable in the connector placed in the top part of the push buttons EL610D module, as shown in the drawing.

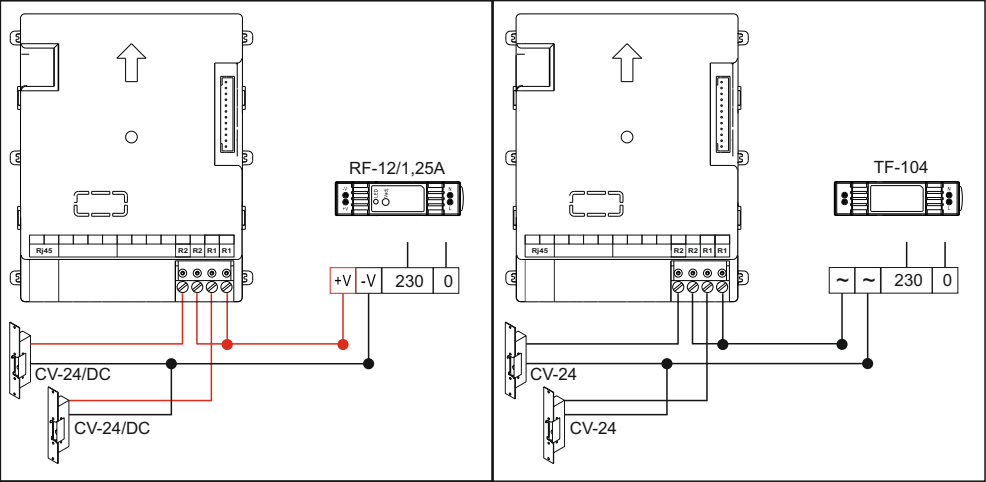
Between push buttons modules EL610D of the same embedding box, insert the short connection cable of the low connector of the first push buttons module to the top connector of the second push buttons module, as shown in the drawing.



Between push buttons modules EL610D of different embedding boxes, insert the short connection cable in the low connector of the last module EL610D of the first embedding box and the other end of the connection cable in the middle connector of the last push buttons module EL610D placed in the low part of the second embedding box, as shown in the drawing.

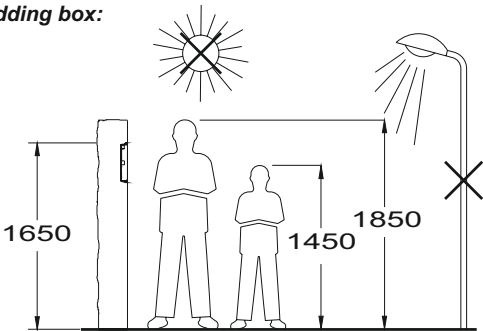
DOOR LOCK CONNECTION

R1 and R2 are dry contact relays to drive ac or dc locks.



PANEL INSTALLATION

*Installation of the embedding box:*



The upper part of the door panel should be placed at 1,65m. height roughly. The hole dimensions will depend on the type of door panel.

Door panel Model	90CS CEA90C	90C CEV90C	90 CEV90
An	99	99	99 mm.
Al	143	250	328 mm.
P	40	56	56 mm.

The door panel has been designed to be placed under most of the environmental conditions. However it's recommended to take additional cautions like rainproof covers. To obtain a good quality picture on video door entry systems, avoid direct incidence from light sources.



Pass the wiring through the hole made in the bottom part of the embedding box. Level and flush the embedding box. Once the embedding box is placed, remove the protective labels from the attaching door panel holes.

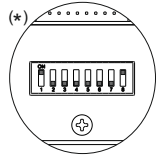
PUSH BUTTONS MODULES CONFIGURATION

Setting the push buttons codes

In case more than 2 push buttons are required, EL610D or EL606D can be added to extend the number of push buttons.

Depending on the setting of the dip switches(\*), the buttons will take different codes. .

EL632/IP allows the iomplementation up to 72 push buttons, when usfin double button configuration, or 36 buttons when using single button configuration



EL-610D push buttons module

EL-606D push buttons module

Double button configuration

		Dip switch								Push button code									
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P2	P3	P4	P5	P6	P7	P8	P9	P10
Dip switch configuration	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5	6	7	8	9	10
	2	Off	On	Off	Off	Off	Off	Off	On	11	12	13	14	15	16	17	18	19	20
	3	Off	Off	On	Off	Off	Off	Off	On	21	22	23	24	25	26	27	28	29	30
	4	Off	Off	Off	On	Off	Off	Off	On	31	32	33	34	35	36	37	38	39	40
	5	Off	Off	Off	Off	On	Off	Off	On	41	42	43	44	45	46	47	48	49	50
	6	Off	Off	Off	Off	Off	On	Off	On	51	52	53	54	55	56	57	58	59	60
	7	Off	Off	Off	Off	Off	Off	On	On	61	62	63	64	65	66	67	68	69	70

Note: The built-in butons at EL632/IP are factory set as codes 101 (left) and 102 (right).

EL-610D push buttons module

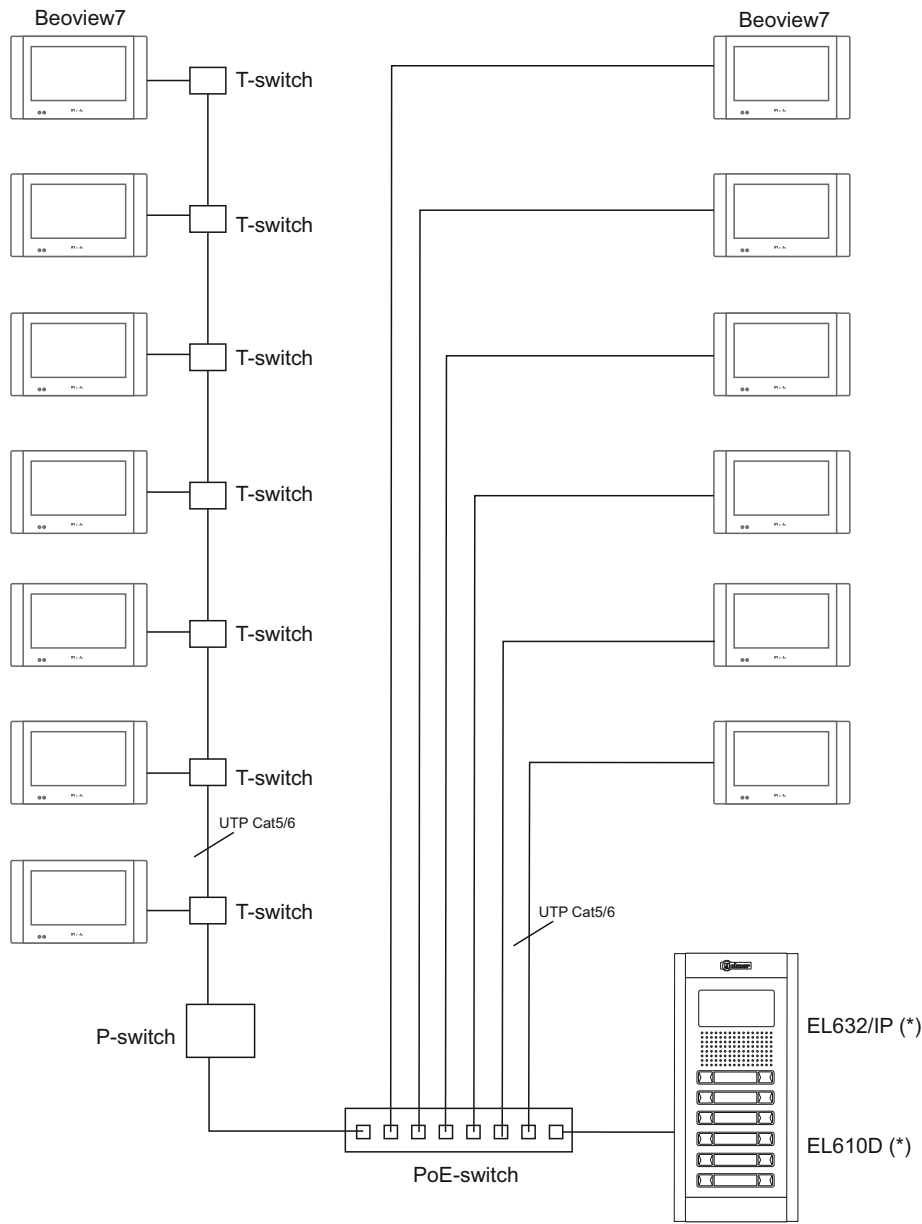
EL-606D push buttons module

Single button configuration

		Dip switch								Push button code				
		Dip1	Dip2	Dip3	Dip4	Dip5	Dip6	Dip7	Dip8	P1	P2	P3	P4	P5
Dip switch configuration	1	On	Off	Off	Off	Off	Off	Off	On	1	2	3	4	5
	2	Off	On	Off	Off	Off	Off	Off	On	11	12	13	14	15
	3	Off	Off	On	Off	Off	Off	Off	On	21	22	23	24	25
	4	Off	Off	Off	On	Off	Off	Off	On	31	32	33	34	35
	5	Off	Off	Off	Off	On	Off	Off	On	41	42	43	44	45
	6	Off	Off	Off	Off	Off	On	Off	On	51	52	53	54	55
	7	Off	Off	Off	Off	Off	Off	On	On	61	62	63	64	65

Note: The built-in buton at EL632/IP is factory set as codes 102 (right).

GENERAL INSTALLATION SCHEMA



\*For detailed information on the connection of the door lock and EL610D, check pages 3 and 4.

## SPECIFICATIONS

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### Especificaciones, precauciones y mantenimiento

Material / ColoUr	Grey plastics
Installation	Nexa panel
Dimensions	83(W) x 100(H) x 39(D) mm
Weight	160 gr.
Sensor	1/4"
Resolution	VGA(640x480)
Illumination	0 Lux, (white leds lighting)
Optics	2,6mm
Viewing angle	127°
Leds technology	SMD
Number of light leds	8
Numbner of leds for signalization	4
Working temperature	-20 to +60°C
Humidity	10%~90% non-condensing
Communication	Hands free
Volume adjustment	By configuration software
Audio power	1 Watt
Maximum distance to Switch	90 meters
power source	POE 48VDC ( IEEE 800.3af)
Consumtion	2w idle.

### Cautions

This is an electronic product, please consider the following cautions.

- Do not through liquids over the unit. Any liquid entering into the product may cause a failure and there is a risk of fire.
- Do not use the monitor under high temperatures, corrosive environments or high humidity grades above its specifications.
- Do not hang neither place any object on it. The bracket might brake, as it is designed to suport its own weight. Pulling, pushing or climbing on it may cause the monitor to fall.
- This is a professional product. it is strongly recommended to follow the instalaltion specifications and to leave the installation to a profesional installer.

### Maintenance

This is a product manufactured with high quality materials. Do not use chemical products or abrasives or cleaning agents.



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