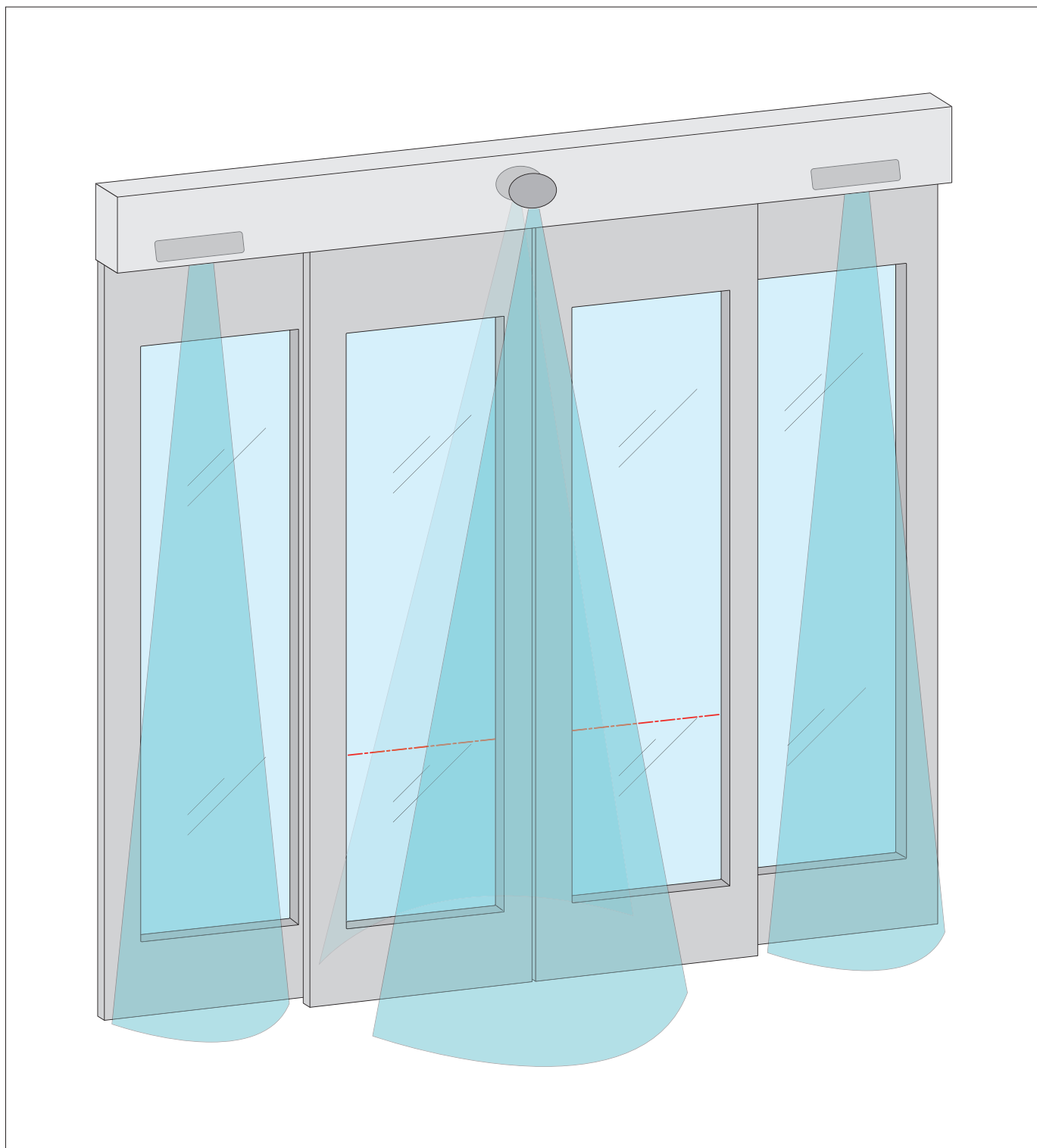


MP1

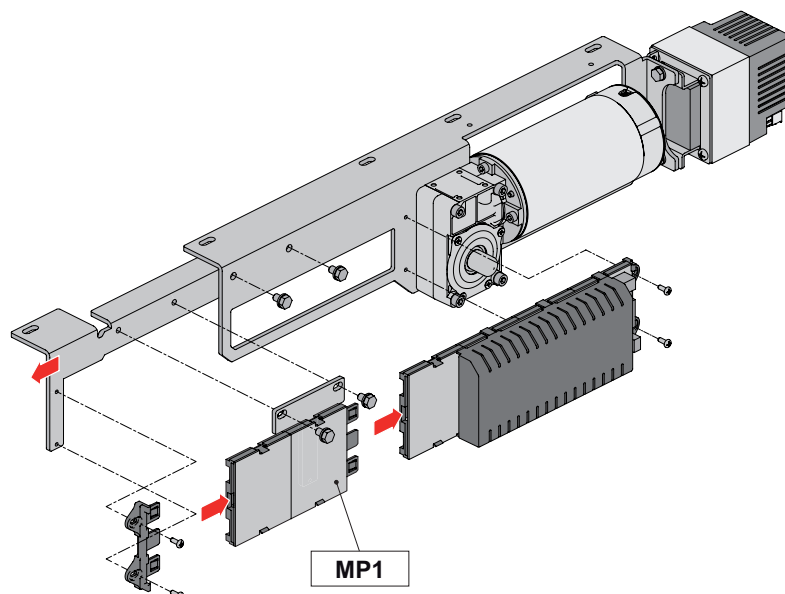


Installation manual for accessories connection module for EL20 /EL32 control panel.



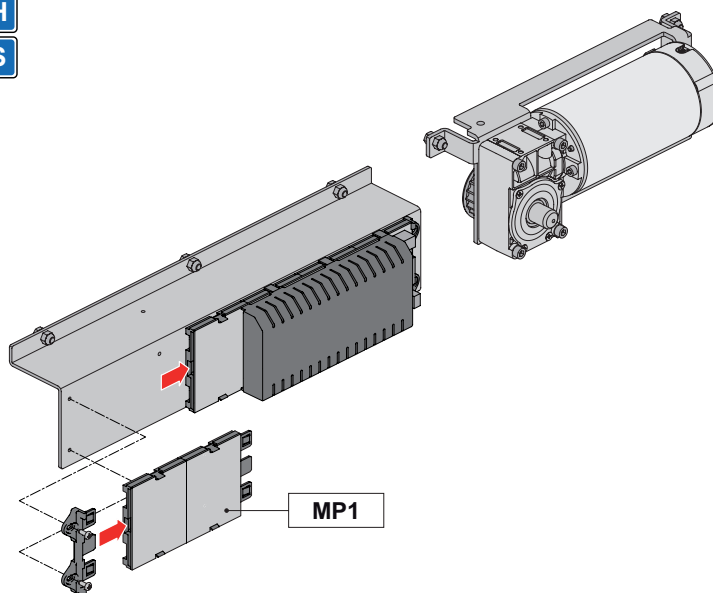
1. MECHANICAL INSTALLATION

VALOR



VALORHH

VALORHS



GENERAL SAFETY PRECAUTIONS

 Keep these instructions for future reference • Installation, electrical connections and adjustments must be performed by qualified personnel in accordance with Good Working Methods and in compliance with the current standards • This product must only be used for the specific purpose for which it was designed. Any other use is to be considered improper and therefore dangerous. The manufacturer cannot be held responsible for any damage caused by improper, incorrect or unreasonable use • Read the instructions carefully before installing the product. Incorrect installation may cause danger • Before installing the product, make sure it is in perfect condition • Do not install the product in explosive areas and atmospheres: the presence of inflammable gas or fumes represents a serious safety hazard • Danger of explosion if a battery is replaced with an incorrect type • The packaging materials (plastic, polystyrene, etc.)  should not be discarded in the environment or left within reach of children, as they are a potential source of danger.

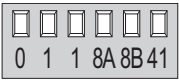
2. ELECTRICAL CONNECTIONS



Make a jumper for all the n.c. contacts if not in use. The terminals with the same number are equal.

2.1 COMMANDS

Command	Function	Connection
	Connection of opening sensor or button, inner side. The closure of the contact causes the opening of the door.	Connect the sensor to terminals 0-1-3A, as described on page 8-9-10-11. Connect the button to terminals 1-3A.
	Connection of partial opening sensor or button, inner side. The closure of the contact causes the door to open partially.	Connect the sensor to terminals 0-1-27-3A. Connect the button to terminals 27-3A.
	Connection of opening sensor or button, outer side. The closure of the contact causes the opening of the door.	Connect the sensor to terminals 0-1-3B, as described on page 8-9-10-11. Connect the button to terminals 1-3B.
	Connection of partial opening sensor or button, outer side. The closure of the contact causes the door to open partially.	Connect the sensor to terminals 0-1-27-3B. Connect the button to terminals 27-3B.
	Connection of closing command. The closure of the contact causes the closing of the door.	
	Connection of opening key. The closure of the contact causes the opening of the door. With the functions selector positioned on NIGHT-TIME CLOSURE, the delayed STOP procedure is initiated: two-way 10 s, door closed (max 60 s), STOP.	Connect the key contact to terminals 1-KO, as described on page 8-9-10-11.
	Connection of closing key. The closure of the contact causes the closing of the door, even with the functions selector positioned on NIGHT-TIME CLOSURE.	Connect the key contact to terminals 1-KC, as described on page 8-9-10-11.
	Voltage-free contact for visual/acoustic signal indicating the passing of people. The opening of the closure safety contact on the control panel closes the PTS contact. If contact 8 remains permanently open, the PTS contact will be intermittently activated [ON=1.5 s, OFF=4 s].	Connect the device to terminals PTS, as described on page 8-9-10-11 (max 24 V / 0.5 A).
	Connection of opening safety sensor, left side. The opening of the contact decreases the opening speed in the last 500 mm of the door wing stroke. NOTE: advanced command management is available with the MD1 display module.	Connect the device to terminals 0-1-6A-41, as described on page 8-9-10-11. NOTE: make a jumper for terminals 6A-41 if the sensor is not used.
	Connection of opening safety sensor, right side. The opening of the contact decreases the opening speed in the last 500 mm of the door wing stroke. NOTE: advanced command management is available with the MD1 display module.	Connect the device to terminals 0-1-6B-41, as described on page 8-9-10-11. NOTE: make a jumper for terminals 6B-41 if the sensor is not used.

Command	Function	Connection
	Connection of closing safety sensor, inner side. The opening of the contact during the closure manoeuvre causes the movement to invert (re-opening).	Connect the device to terminals 0-1-8A-41, as described on page 8-9-10-11. NOTE: make a jumper for terminals 8A-41 if the sensor is not used.
	Connection of closure safety sensor, outer side. The opening of the contact during the closure manoeuvre causes the movement to invert (re-opening).	Connect the device to terminals 0-1-8B-41, as described on page 8-9-10-11. NOTE: make a jumper for terminals 8B-41 if the sensor is not used.
	Connection of the STOP command. All movements are stopped when the contact is opened. All normal or emergency operations are excluded when the contact is opened. WARNING: when the contact closes again the door proceeds with the interrupted manoeuvre.	
	Connection of the POWER RESET command. All acquired data is annulled when the contact is closed. The automation can start acquisition again after 3 seconds.	
	Voltage-free contact for visual/acoustic signal indicating battery efficiency. With DIP1=ON, the battery efficiency test is activated; if the test fails, the BST contact will be closed.	Connect the device to terminals BST, as described on page 8-9-10-11 (max 24 V / 0,5 A).
	GENERAL PURPOSE input and output.	See instructions on page 7.
	Selection of door illumination. - The closing of the contact 1-LC activates the illumination, according to the mode set for contact 1-LM. - The closing of contact 1-LM activates permanent illumination. - The opening of contact 1-LM activates the illumination during the movement of the automation, with delayed switch-off that can be adjusted via trimmer A.	
	Voltage-free contact for door lighting or other interface functions.	Use the contact for activation of lights or other loads in series to the C-NO terminals as described on page 8-9-10-11 (max 24 V / 0.5 A).

2.2 ADJUSTMENTS

	Description	OFF 	ON 
DIP1	Advanced battery test.	Disabled.	Enabled.
DIP2	FUTURE USE	/	/
DIP3	FUTURE USE	/	/
DIP4	FUTURE USE	/	/

	Description	OFF 	ON 
J4	Fire mode.	Enabled.	Disabled.
J5	Operation selection in fire mode.	Closing.	Opening.

	Description	MIN.	MAX.
A	Automation illumination. Adjusts the switch-off delay of the spotlights that illuminate the door.	0 s	120 s
B	FUTURE USE		
C	FUTURE USE		
D	FUTURE USE		

3. ADVANCED BATTERY TEST

With DIP1=ON, the control function for battery charge status is activated.

If one of the following abnormal conditions occurs:

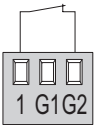
- mains failure;
 - missing batteries or a short circuit;
 - run-down batteries (the check is performed on every starting and every 4 hours);
- the door opens and remains open (the door remains closed if it is set in NIGHT  mode, or with contact 1-9 open), and the BST contact of the control panel is closed.

The alarm signalling (via the visual and/or acoustic device connected as described on page 8-9-10-11) continues as long as the abnormal situation persists.

It is possible to reset the alarm condition (contact 1-29 POWER RESET of the control panel), using a key button or a function selector. If the alarm continues, contact Technical Assistance.

If the batteries are run down, wait about 30 minutes to allow for recharging.

4. FIRE MODE

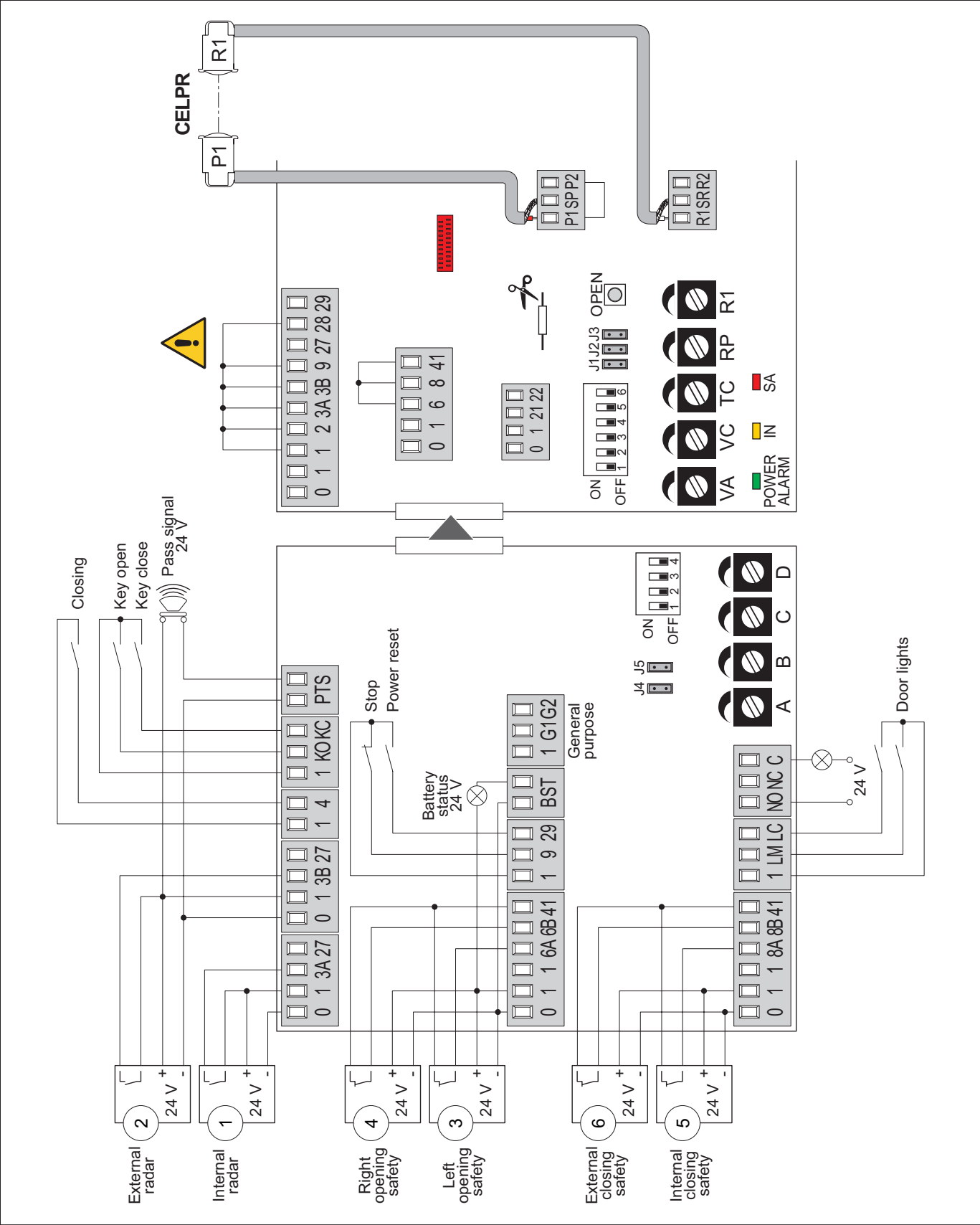
Command	Function	Connection
	With J4=OFF, the fire mode is activated. The opening of contact 1-G2, or the lack of mains voltage, causes the immediate and slow start of the operation set via J5 and the closing of the contact C-NO (DOOR LIGHTS). All the inputs are deactivated.	Connect the fire/smoke sensor to terminals 1-G2.
	The closing of the contact during the fire alarm phase causes the emergency opening of the door. After the set automatic closing time, the door closes slowly.	
	The closure of the contact during the fire alarm phase causes the emergency closure of the door. After the set automatic closing time, the door opens slowly.	

5. EXAMPLE OF APPLICATION WITHOUT SELECTOR

The automation opens with commands 1-3A, 1-3B of the RADARs (or opens partially with the 27-3A, 27-3B commands), and automatically closes with jumper 1-2. Makes the safety on the passage opening with CELPR photocells. If the automation has no blocking device, make connection 1-28 as shown in the figure.



Do not use the terminal board of the control panel; make the connections shown in the figure.

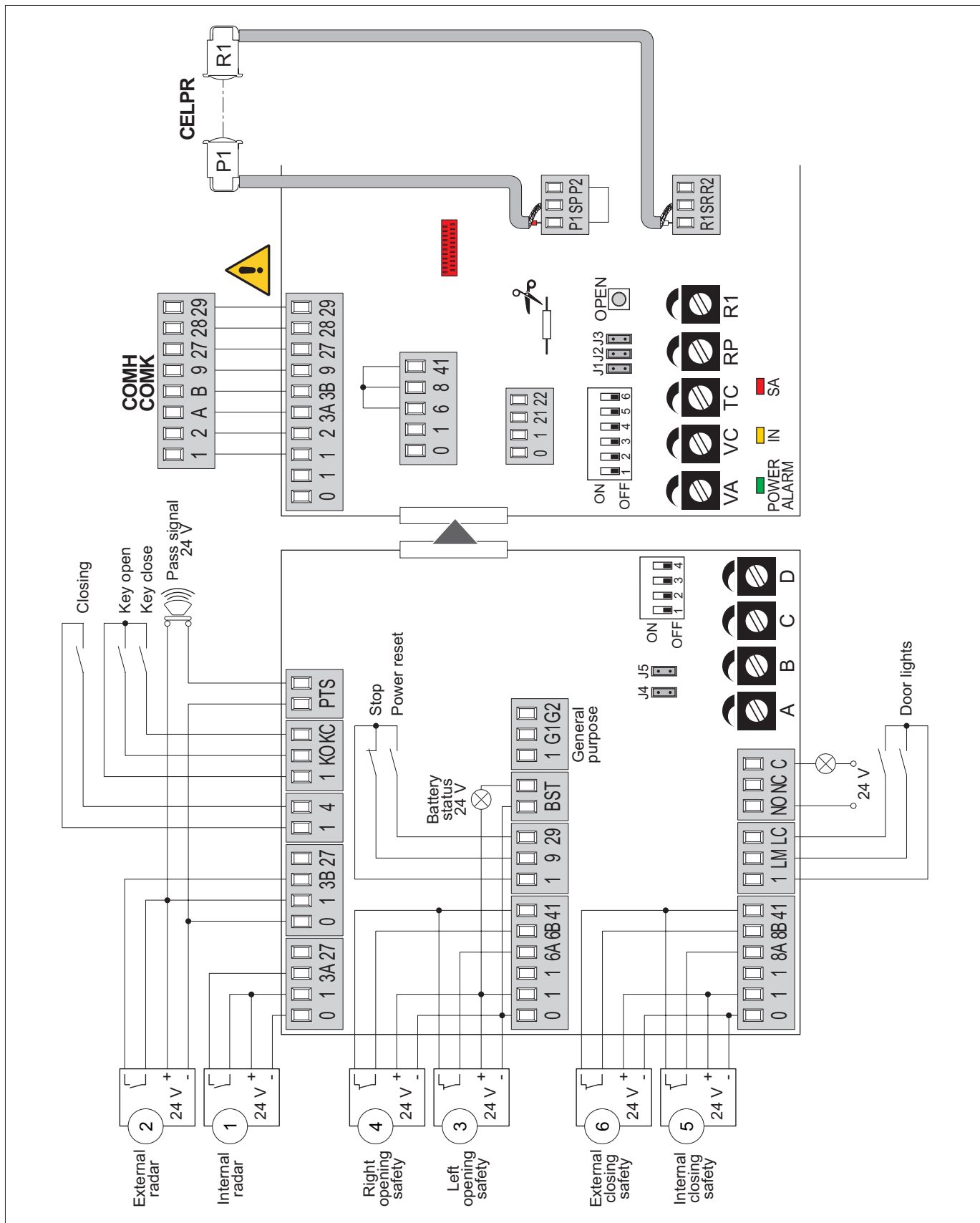


6. EXAMPLE OF APPLICATION WITH COMH-COMK SELECTOR

The automation opens with commands 1-3A, 1-3B of the RADARs (or opens partially with the 27-3A, 27-3B commands), and automatically closes according to the operation chosen on the selector. Makes the safety on the passage opening with the CELPR photocells.



Do not use the terminal board of the control panel; make the connections shown in the figure.

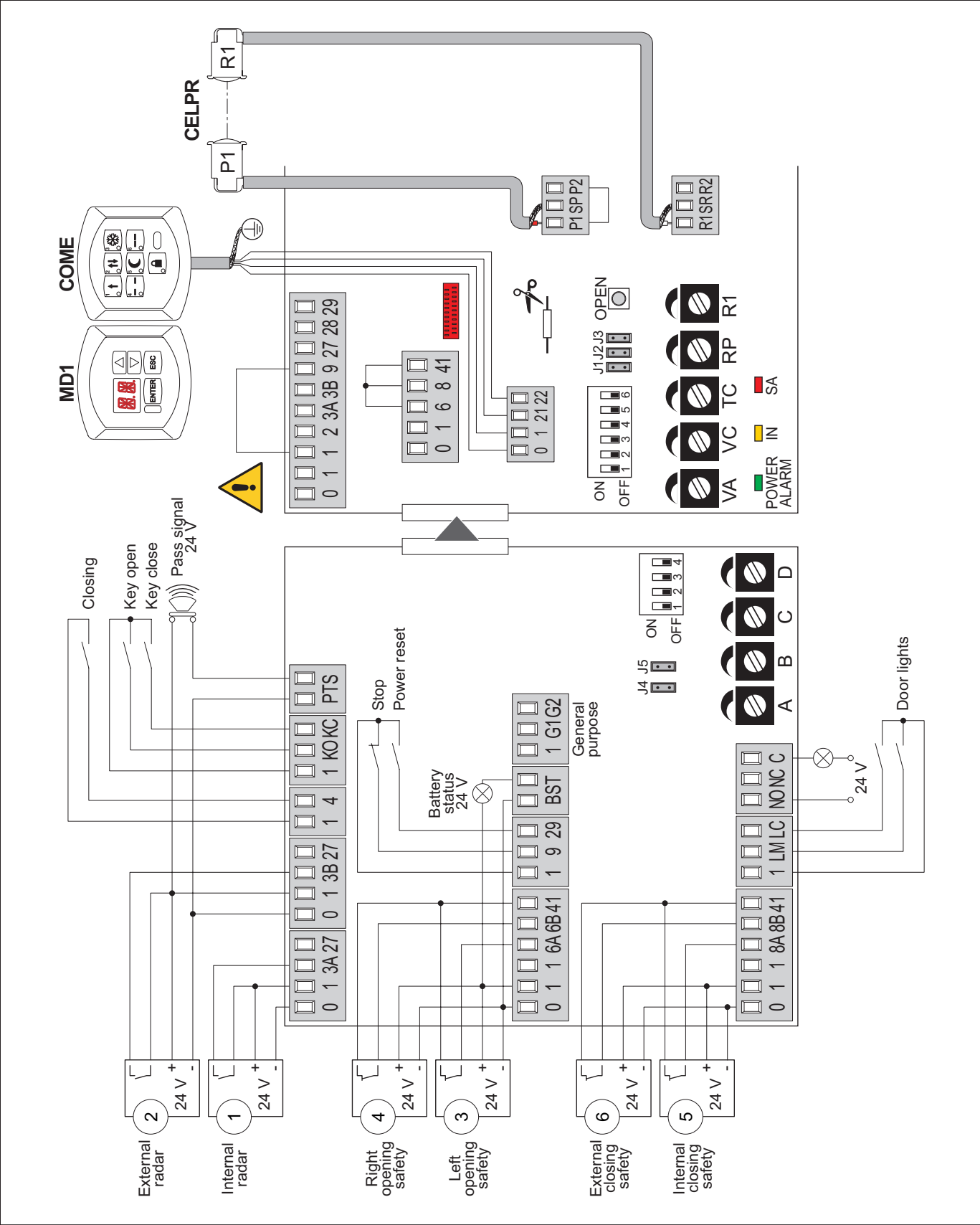


7. EXAMPLE OF APPLICATION WITH COME SELECTOR

The automation opens with commands 1-3A, 1-3B of the RADARs (or opens partially with the 27-3A, 27-3B commands), and automatically closes according to the operation chosen on the selector. Makes the safety on the passage opening with the CELPR photocells.



Do not use the terminal board of the control panel; make the connections shown in the figure.

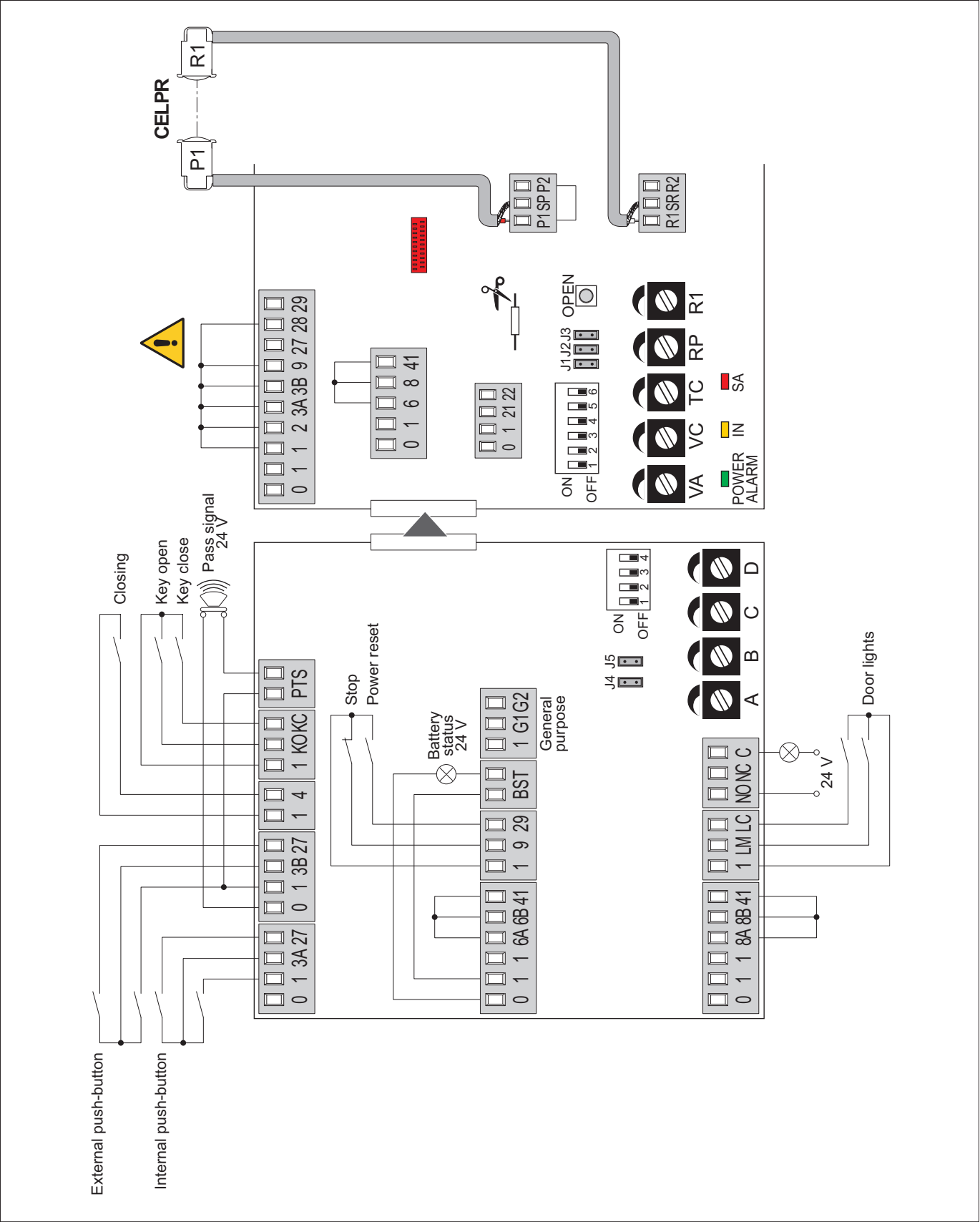


8. EXAMPLE OF APPLICATION FOR HOSPITAL DOORS

The automation opens with commands 27-3A and 27-3B, and automatically closes with jumper 1-2. Makes the safety on the passage opening with the CELPR photocells.



Do not use the terminal board of the control panel; make the connections shown in the figure.



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