

Rigel 6 QRG

Quick reference guides are not a replacement for the supplied instructions, they are supplementary.

Read and understand the installer warnings in the main instruction document first.

Always apply good safe, state of the art engineering and electrical installation principles.

Safety of the completed installation is the ultimate responsibility of the installer.

This product is not suitable for DIY use and should only be installed and maintained by a trained, skilled, professional installer.

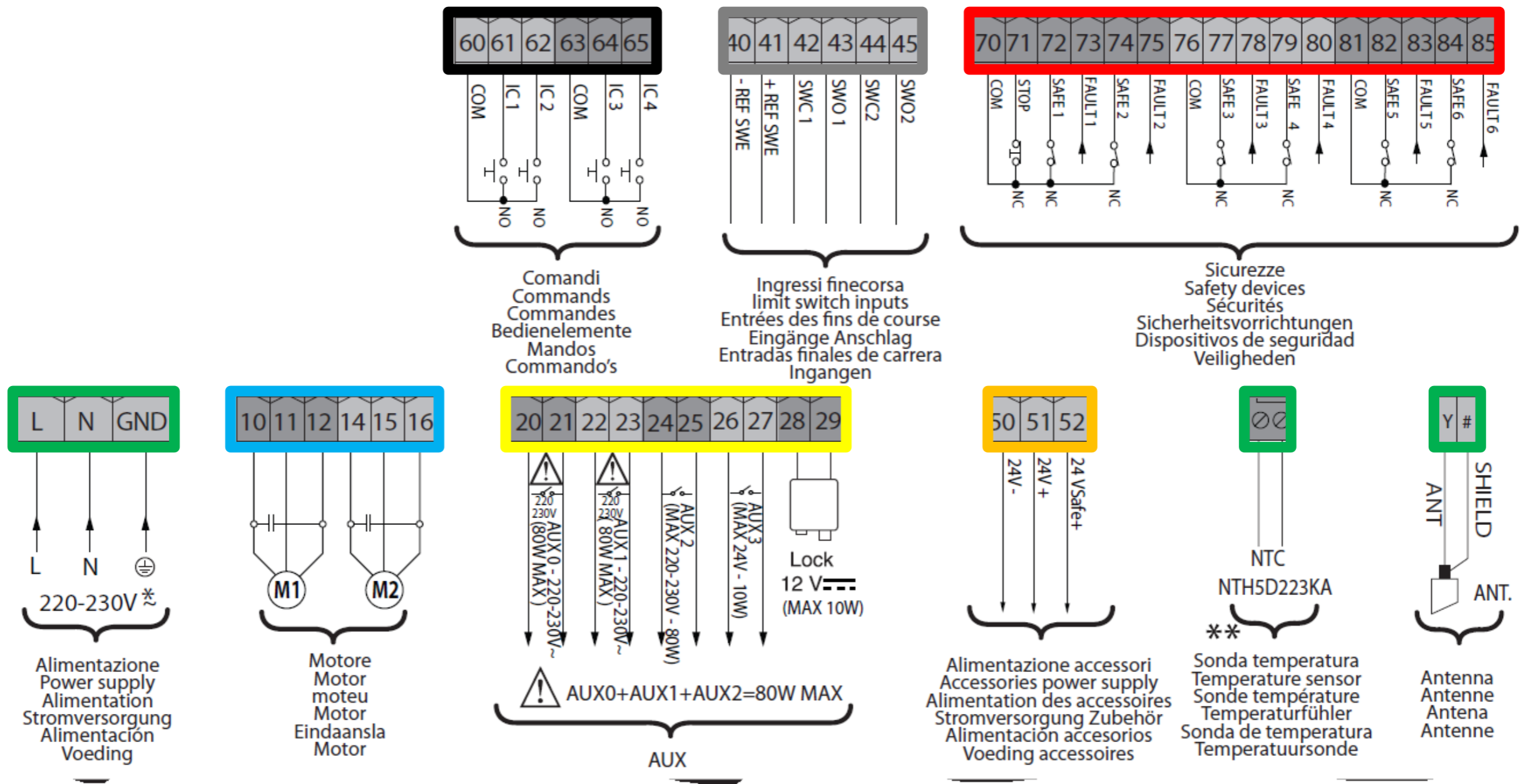


Be ahead

What's New

- Multi coloured cable connections in line with current control panels.
- Built in 7 day time clock.
- 4 Chanel radio receiver.
- Facility to remove individual transmitters.
- Magnetic lock powered constantly during closing cycle.
- U Link.
- 6 safe inputs, Safe 1&2 8K2.
- Reset-able low voltage fuse.
- Auto-set for both Hydraulic & Electro-mechanical motors.
- Obstacle Detection (electro-mechanical motors ONLY).
- Gate open/close buttons on control board.
- Error messages on cover lid and on control panel (30 errors)

Terminal Layout



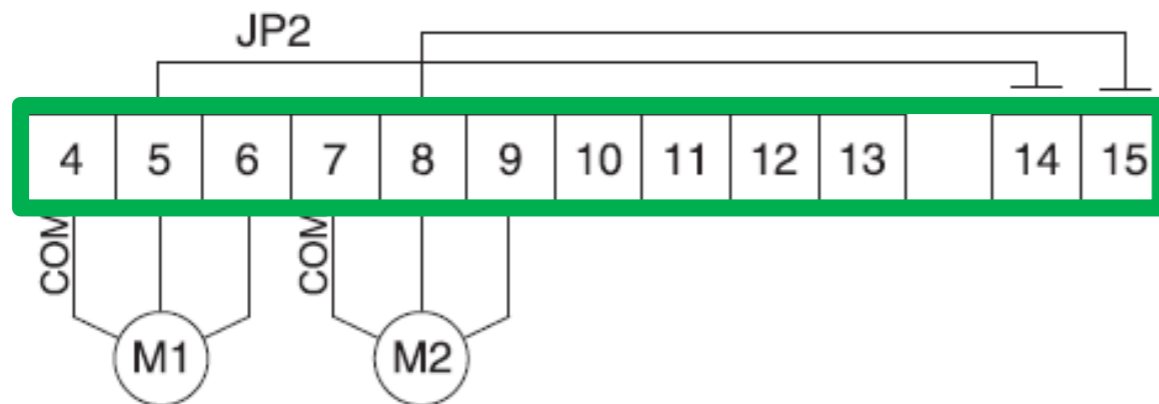
Rigel 5 to Rigel 6 (terminal numbers)

RIGEL 5 TO RIGEL 6

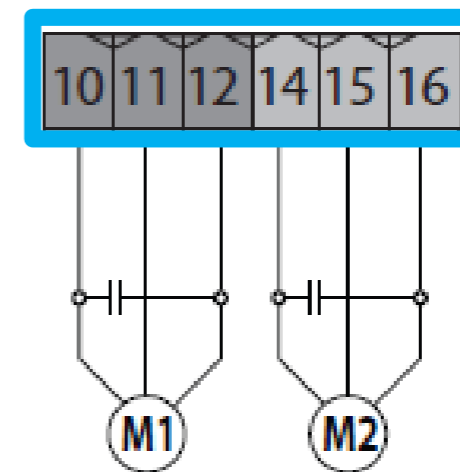
RIGEL 5	RIGEL 6					
TERMINALS	TERMINALS					
1	EARTH	230V SUPPLY	26	60,61,62,63,64,65	PROGRAMMABLE	
2	N	230V SUPPLY	27	60,61,62,63,64,65	PROGRAMMABLE	
3	L	230V SUPPLY	28	60,61,62,63,64,65	PROGRAMMABLE	
4	15		29	60,61,62,63,64,65	PROGRAMMABLE	
5	14	CAPACITOR	30	60,61,62,63,64,65	PROGRAMMABLE	
6	16	CAPACITOR	31	60,61,62,63,64,65	PROGRAMMABLE	
7	11		32	60,61,62,63,64,65	PROGRAMMABLE	
8	10		33	70	COM	
9	12	CAPACITOR	34	71	STOP	
10	20,21,22,23,24,25,26,27	CAPACITOR	35	72,73,74,75	PROGRAMMABLE	
11	20,21,22,23,24,25,26,27	PROGRAMMABLE	36	72,73,74,75	PROGRAMMABLE	
12		PROGRAMMABLE	37	72,73,74,75	PROGRAMMABLE	
13			38	40,41,42,43,44,45	PROGRAMMABLE	
14			39	40,41,42,43,44,45	PROGRAMMABLE	
15			40	40,41,42,43,44,46	PROGRAMMABLE	
16			41	40,41,42,43,44,47	PROGRAMMABLE	
17			42	40,41,42,43,44,48	PROGRAMMABLE	
18	20,21,22,23,24,25,26,27		43	40,41,42,43,44,49	PROGRAMMABLE	
19	20,21,22,23,24,25,26,27	PROGRAMMABLE	51	60,61,62,63,64,65	PROGRAMMABLE	
20	50	PROGRAMMABLE	52	60,61,62,63,64,65	PROGRAMMABLE	
21	51	24v	53	72,73,74,75	PROGRAMMABLE	
22	28	24v	54	72,73,74,75	PROGRAMMABLE	
23	29	MAGLOCK	55	72,73,74,75	PROGRAMMABLE	
24	ANT	MAGLOCK	56	72,73,74,75	PROGRAMMABLE	
25	SHIELD	ANTENNA			PROGRAMMABLE	
		ANTENNA				

Motor Connections

Old Rigel 5



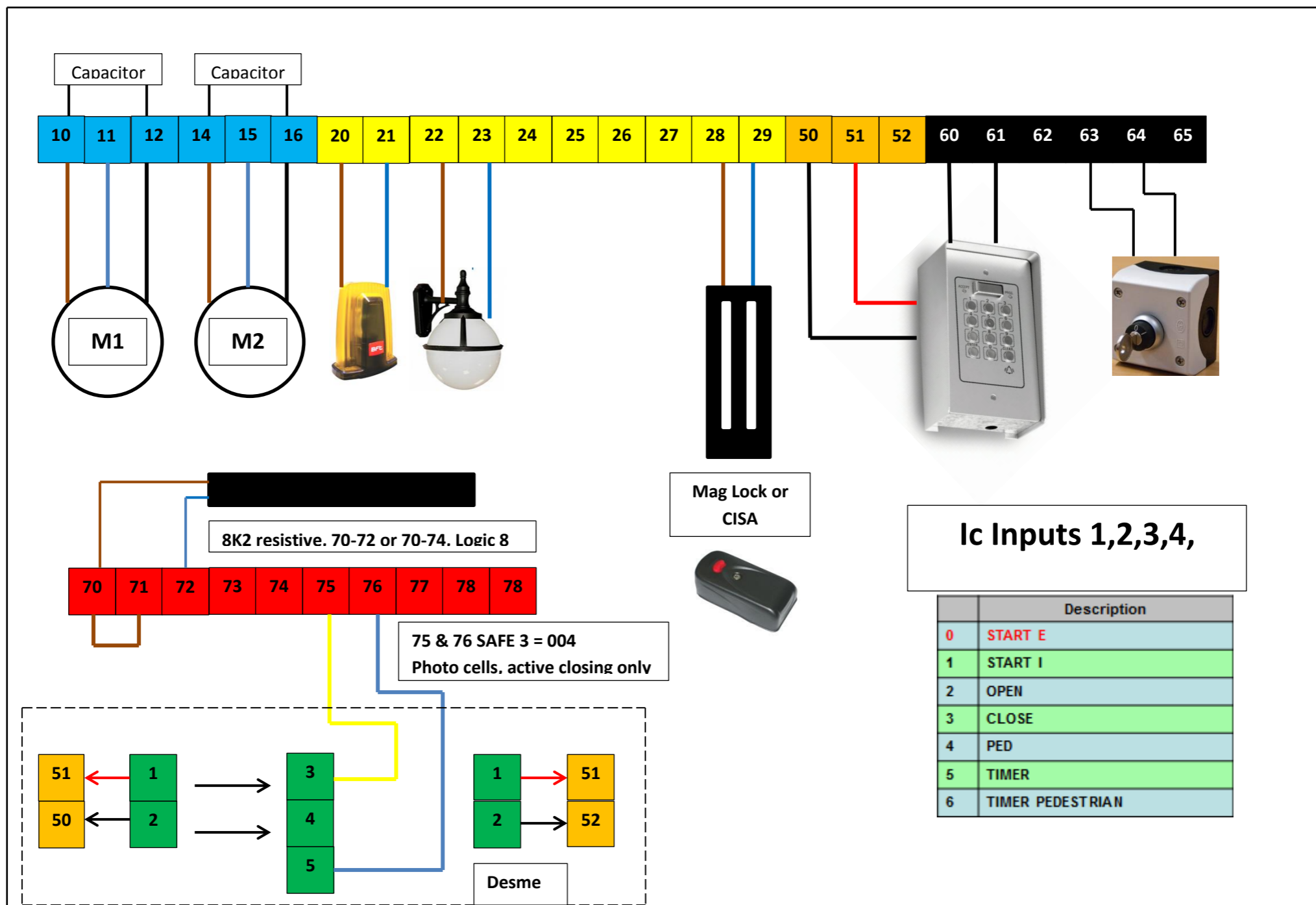
New Rigel 6



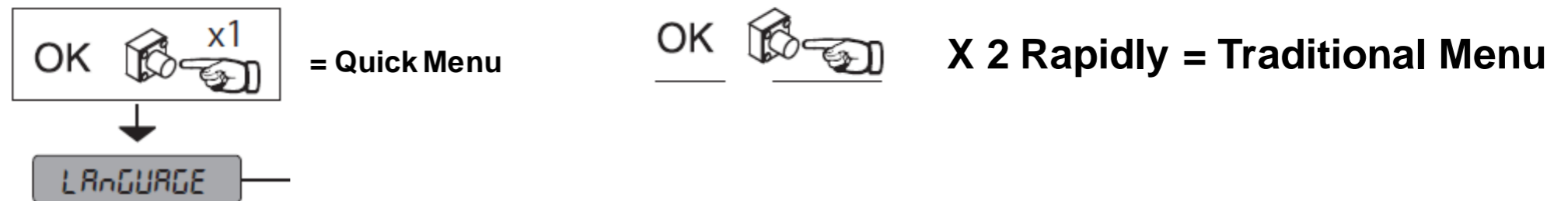
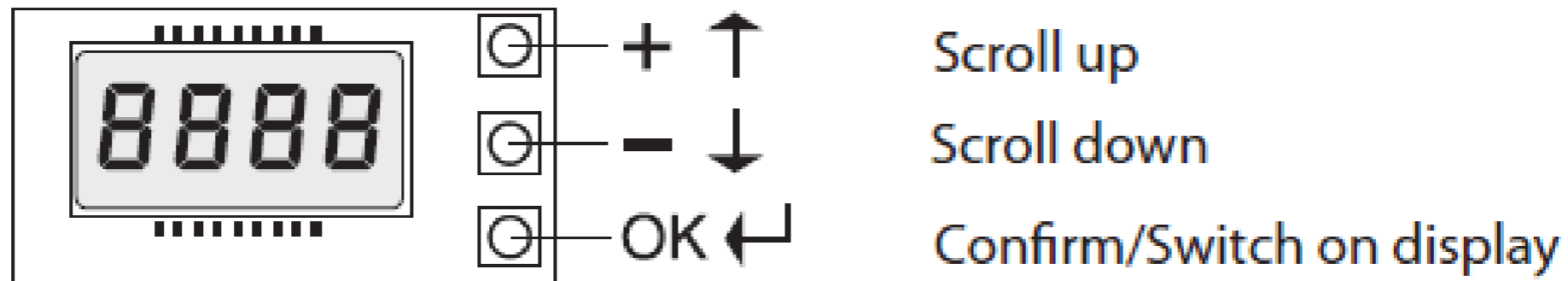
Motor 1, 10,11,12, opens first followed by Motor 2,
14,15,16, Motor 2 closes first followed by Motor 1

Capacitor is connected across motor winding M1=10 &12
M2=14 &16

Rigel 6 common connections

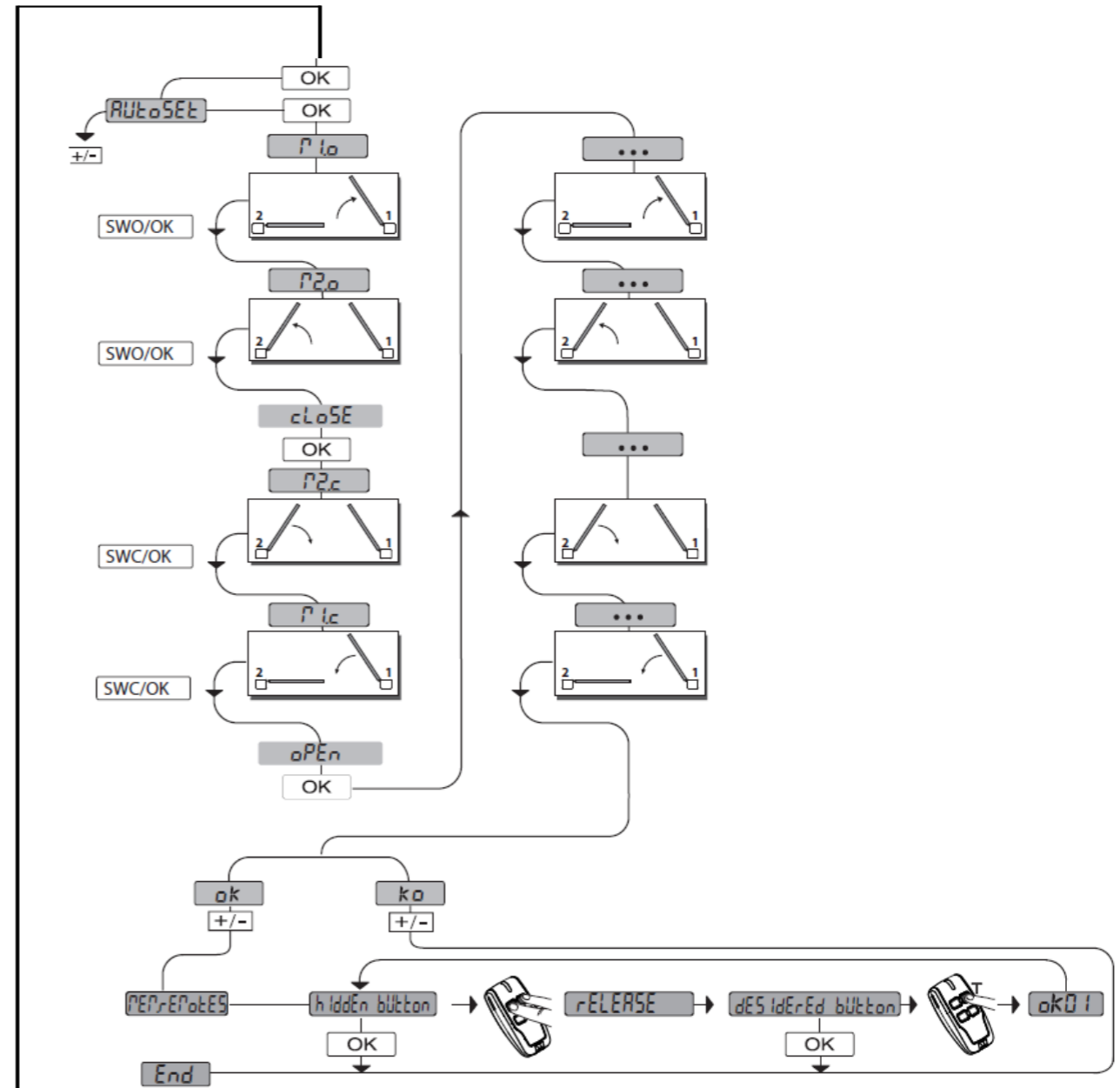
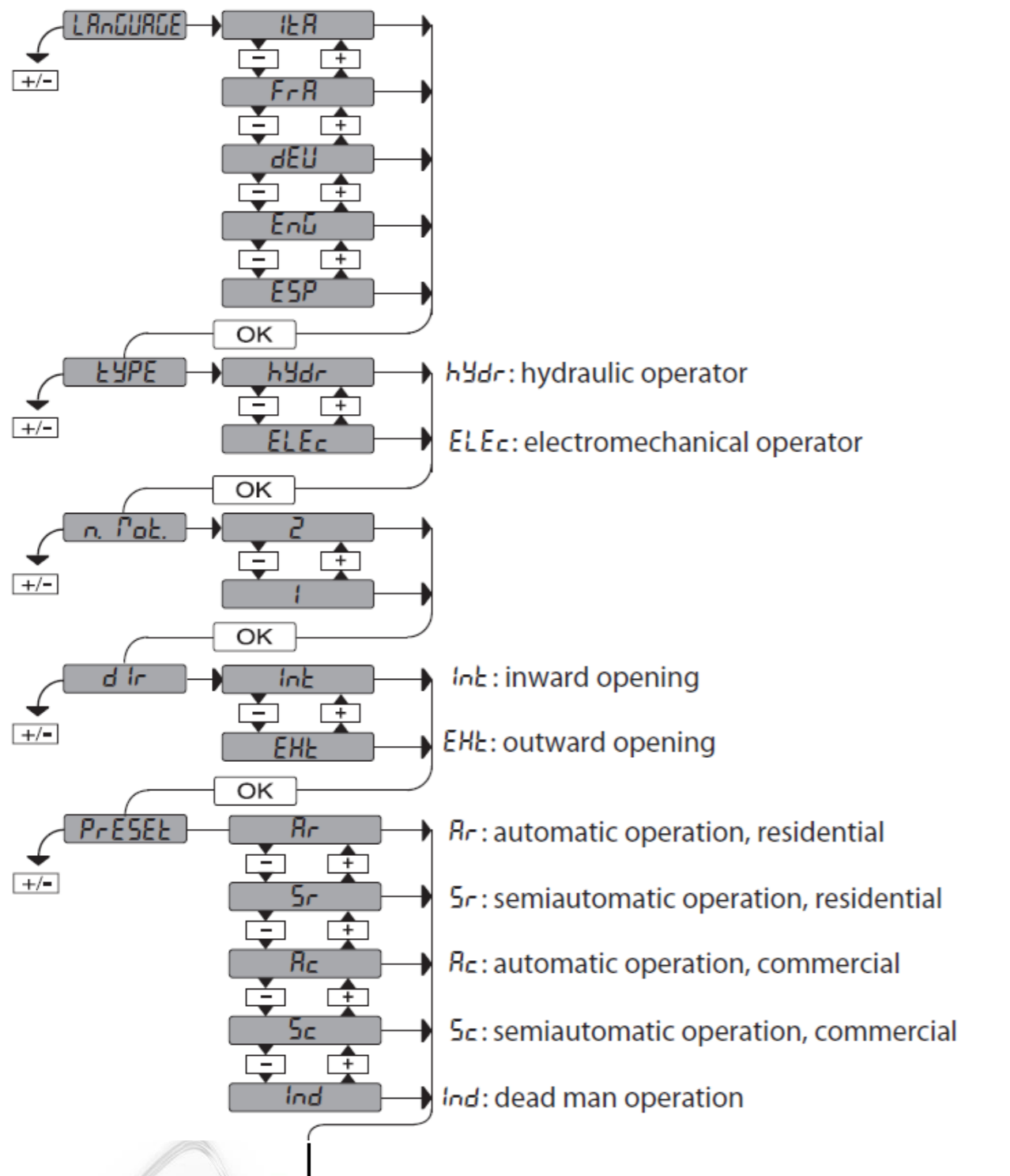


Menu System



To enter the traditional Menu press the OK button twice rapidly, Halt > OK > Follow user guide OK > Para > Logic > Radio > Default

Quick Menu Layout





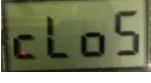
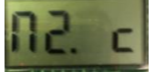
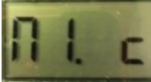
This will provide a working system


Method (2 motor application)

- Motor 1 opens first followed by motor 2, motor 2 closes first followed by motor
- Capacitor is connected across 10 & 12 M1, 14 & 16 M2
- Single leaf applications use Motor 1 output 10,11,12.
- Set the motors in place on the gate with the correct geometry
- Install any gate stops to be used(mandatory for hydraulics-except Lux FC)
- Manual release and set limit switch positions (Igea only)
- Connect up the motor supply cables to the Blue connectors 10,11,12 & 14,15,16
- Do NOT connect any accessories at this stage and leave all factory links fitted
- Position gates in the closed position, Sub Lux P Series, Kustos Igea. Eli 250 leave in the factory set position
- Navigate to the Autoset menu and launch the Autoset (see following page)
- Autoset can also be launched from the traditional menu (OK button twice)

Autoset from

Program panel to Autoset and press OK, 3,2,1.  motor 1 will open, when the open position is reached press the OK button 3.2.1.  motor 2 will open, when the open position is reached press the OK button.

With  showing press the OK button 3.2.1,  motor 2 will close, when the closed position is reached press the OK button 3.2.1.  motor 1 will close, when the closed position is reached press the OK button.

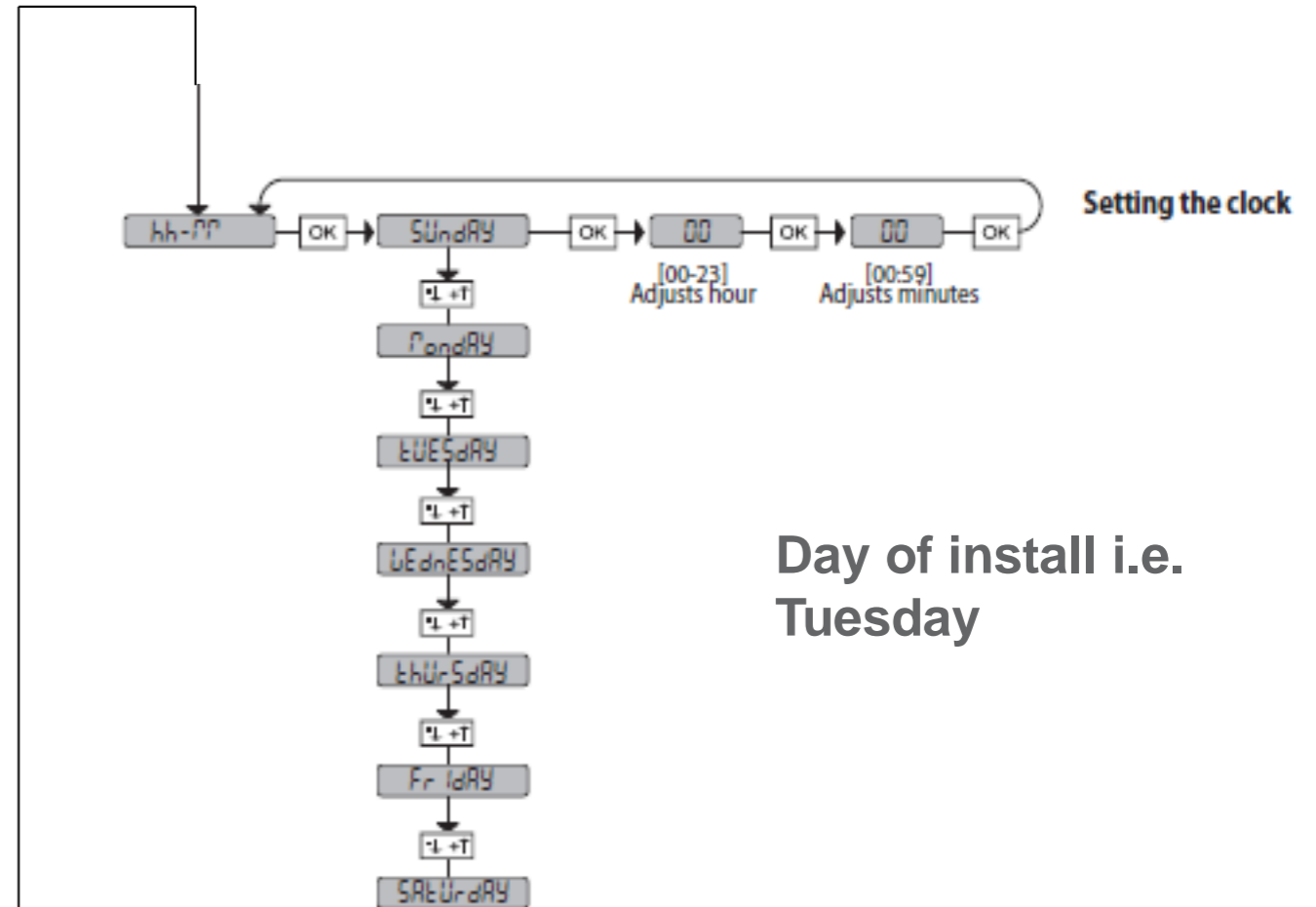
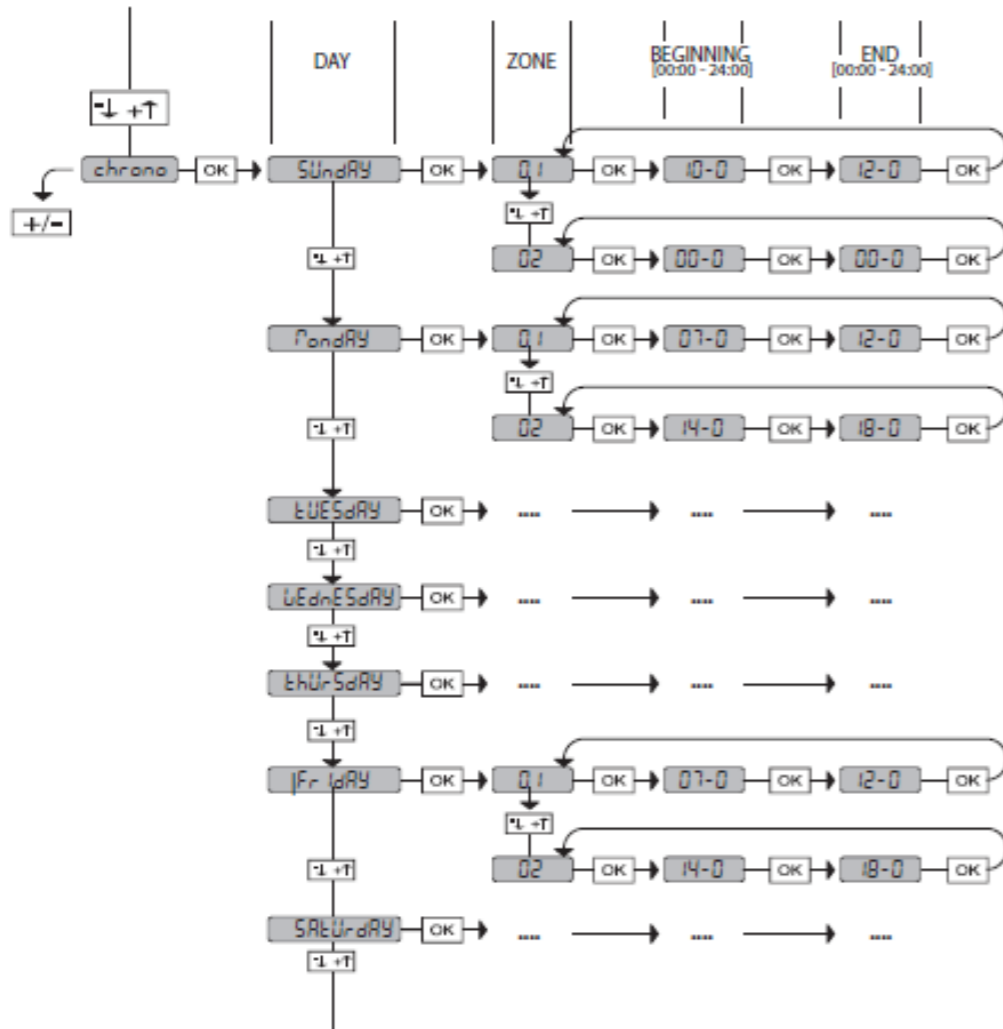
With  showing press the OK button 3.2.1. motor 1 will open followed by motor 2, from the open position motor 2 will close first followed by motor 1, upon completion OK will be displayed.

If the motors try to close at the launch of the Autoset then the motor cables must be swapped 10&12, 14&16. When a gate system is powered for the first time or after a power cut, the gates must move to the open position when a command is given.

Increase the working time in the Parameter menu under `workt` if required

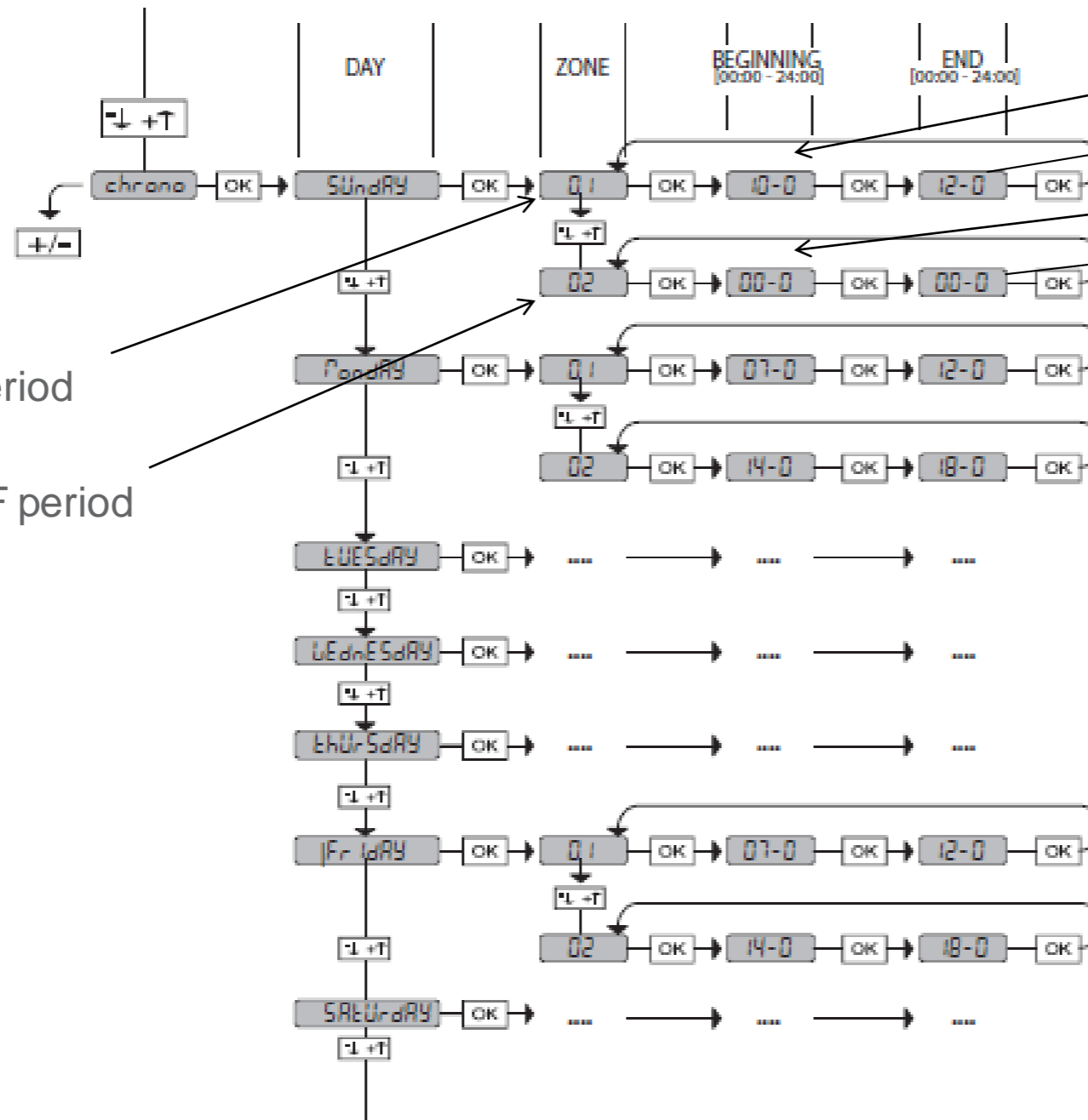
Time Clock

Setting Clock for the day of the week



Day of install i.e.
Tuesday

Time Clock



First ON/OFF period

Second ON/OFF period

First ON ie 08.00
 First OFF ie 10.20
 Second ON ie 15.00
 Second OFF ie 16.10

Programming in 10 min blocks.


- 1 = 10 past the hour
- 2 = 20 past
- 3 = 30 past
- 4 = 40 past
- 5 = 50 past

Example
 1st ON 08.30 = 08.3
 1st OFF 09.50 = 09.5

Set Chrono Time Bands in Logic to, 1 for timer, 2 for ped timer

Radio

TABLE "C" – RADIO MENU (rAd to)

Logic	Description
<i>Add 1ch</i>	Add 1ch Key associates the desired key with the 1nd radio channel command.
<i>Add 2ch</i>	Add 2ch Key associates the desired key with the 2nd radio channel command.
<i>Add 3ch</i>	Add 3ch Key associates the desired key with the 3rd radio channel command.
<i>Add 4ch</i>	Add 4ch Key associates the desired key with the 4nd radio channel command.
<i>ErASE 64</i>	Erase List  WARNING! Erases all memorized transmitters from the receiver's memory.
<i>ErASE i</i>	Eliminates individual radio control Removes a radio control (if clone or replay is disabled) To select the radio control to be deleted, enter the position or press a button on the radio control to be deleted (the position is displayed)
<i>cod rH</i>	Read receiver code Displays receiver code required for cloning transmitters.

Individual transmitters can be removed from any channel. The location number within the radio channel must be known to carry out this function

Radio Programming Example's

How to hold a pair gates open with Second button on a Mitto 2-4.

Code the Second button on a Mitto into the 2nd radio channel,

Program: Ic1 = 5 (60-61), Aux Out 2 = 14 (24-25), 2ch = 8

Wire between 24&61, 25&60.



How to open the Pedestrian leaf on the Third button on a Mitto 2-4.

Code the Third button on a Mitto into the 3rd radio channel,

Program Ic2 = 4 (60-62). Aux Out 3 = 0, 3ch = 4.




Wire link between 26&62, 27&60.



Obstacle Sensitivity

ENGLISH

TABLE "A" - PARAMETERS MENU - (PR-R1)

Parameter	min.	max.	Default	Personal	Definition	Description
obSt.SEnS.	0	99	0		Obstacle sensitivity	<p> Do not use this function with hydraulic motors. Leave default value set to 0.</p> <p>See the additional details and warnings in the instruction manual.</p>
obSt.SEnS.	0	99	0		Obstacle sensitivity	<p>It allows activating obstacle detection. The function is disabled when the parameter is set to 0, setting the value between 1 and the maximum value, obstacle sensitivity can be increased (max value = max sensitivity). It works only with the limit switches.</p> <p> ATTENTION: This obstacle detection function does not guarantee compliance with the safety regulations in force (*). To comply with the current safety regulations, install adequate anti-crushing safety devices (**).</p> <p> ATTENTION: The system detects the obstacle only if the leaf is stopped; no obstacles breaking the leaf without managing to stop it are detected. Detection takes place only if the leaf meeting the obstacle is moving at normal speed. The obstacle is not detected during slow-down.</p> <p>(***)</p>