



# thalia quick reference

SELECTING WHICH MOTOR IS MOTOR 1 AND WHICH IS MOTOR 2 MOTOR 1 OPENS FIRST AND CLOSES SECOND; MOTOR 2 OPENS SECOND AND CLOSES FIRST

MOTOR TERMINAL	WIRE COLOR THALIA P THALIA P MOTOR 1 MOTOR 2				
1	WHITE	42	43		
2	RED	10	14		
3	BLACK	11	15		
<b>*IGEA ONLY</b> - ON LEFT SIDE OPERATORS, BLACK & RED WIRES ARE SWAPPED AT THE MOTOR.					

QUICK SETUP MENU PRESS THE [OK] BUTTON ONCE TO ENTER. USE [+] AND [-] TO FIND SELECTION. USE [OK] TO SELECT

LANG (LANGUAGE)	ТУРЕ	N,MOT (NUMBER OF MOTOR <del>S</del> )	OIR (OPEN DIRECTION)	PRESET	AUTOSET	MEM REMOTES
ITA (ITALIAN)	ELI	2	INT (INTERIOR)	AR (AUTOMATIC RESIDENTIAL)	)	HIDDEN BUTTON
FRA (FRENCH)	PHOB (PHOBOS)	1	EXT (EXTERIOR)	SR (SEMI-AUTOMATIC RESIDENTIN	AL)	RELEASE
DELI (GERMAN)	IGEA			AC (AUTOMATIC COMMERCIAL)	>	DESIRED BUTTON
ENG (ENGLISH)				SC (SEMI-AUTOMATIC COMMERCI	AL)	
ESP (SPANISH)				IND (INDUSTRIAL)		

### PRESET TABLE

FEATURES	AR	SR	AC	sc	IND
	AUTOMATIC RESIDENTIAL	SEMI-AUTOMATIC RESIDENTIAL	ALITOMATIC COMMERCIAL	SEMI-AUTOMATIC COMMERCIAL	INDUSTRIAL
AUTOMATIC CLOSING TIMER	X		X		
PRE-ALARM			X	×	
UNINTERRUPTED OPEN CYCLE			X	×	
INSTANT REVERSE ON CLOSING	X		X		
HOLD TO RUN					X
QUICK REMOTE PROGRAMMING	X	×	X	×	

dESt

## PROGRAMMING REMOTES - AFTER YOU SEE "HIDDEN BUTTON" DISPLAYED ON THE SCREEN ....



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version 120921A

## ONLY USE 16 AWG, STRANDED, SJTOW OR SJTOOW CABLE. AVOID SPLICES. IF NECESSARY, A SPLICE MUST BE ABOVE GROUND IN A DRY JUNCTION BOX

PRE-ALARM: AUX WITH VALUE SET TO 6, ACTIVE FOR 3 SECONDS BEFORE GATE MOVEMENT

UNINTERRUPTED OPEN CYCLE: A START COMMAND WILL NOT STOP THE GATE FROM OPENING.

INSTANT REVERSE: A START COMMAND WILL STOP AND REVERSE A CLOSING GATE. OTHERWISE IT JUST STOPS IT AND AN ADDITIONAL START COMMAND WILL REVERSE IT.







# NAVIGATING THE PROGRAMMING MENU

BUTTON	NAVIGATION	VALUE EDIT
[+]	SCROLLS UP	INCREASE VALUE
[-]	SCROLLS DOWN	DECREASE VALUE
[OK]	ENTER	ENTER VALUE
[+] & [-]	ESCAPE	ESCAPE

PRESS THE [OK] BUTTON RAPIDLY TWICE TO ENTER PROGRAMMING

MAIN	SELECTION	PESCRIPTION	DEFAULT	RANGE
PARAM >	OPEN DELAY TIME	MOTOR 2 OPENING DELAY IN SECONDS	1	0-10
	CLS DELAY TIME	MOTOR 1 CLOSING DELAY IN SECONDS	1	0-10
	ТСА	AUTO-CLOSE TIME ADJUSTMENT IN SECONDS	10	1-180
	TRF. LGHT.CLR. T	TRAFFIC ZONE CLEAR TIME ADJUSTMENT IN SECONDS	40	1-180
	OP. DIST. SLOWD	SLOWDOWN STARTING DISTANCE FROM END OF OPEN TRAVEL EXPRESSED IN PERCENTAGE	10	0-50
	CL. DIST. SLOWD	SLOWDOWN STARTING DISTANCE FROM END OF CLOSE TRAVEL EXPRESSED IN PERCENTAGE	10	0-50
	DIST. DECEL	SLOWDOWN STARTING DISTANCE FROM END OF OPEN AND CLOSE TRAVEL EXPRESSED IN PERCENTAGE	15	0-50
	OP. FORCE	PEPCENTAGE OF OPENING FORCE EXEPTED OVER THE AUTOSET VALUE REFORE ORSTRUCTION IS SENSED	50	1-99
	CLS EDPCE	PEPCENTAGE OF CLOSING FORCE EXECTED OVED THE AUTOSET VALUE REFORE ORSTRUCTION IS SENSED	50	1-99
	00 50550	ANOTO OPENING SPECIFIC PURCHARES IN DESCRIPTION	00	15-00
	CI SOFEO		00	15-00
	CL OFFLED			15.00
LOGIC	SLOW SPEED	SLOWDOWN SPEED EARKESSED IN PERCENTAGE FROM MAXIMUM SPEED.	25	0.2
20010 /	MOTOR TYPE		0	0-3
		TIMER TO CLOSE ALTOMATICALLY, OF OFF 7 IFON	0	0-1
	FAST CLS.	CLOSES WHEN SENSORS ARE CLEARED. USOFF / ISON	0	0-1
	STEP-BY-STEP MOVEMENT *	DETERMINES HOW THE SYSTEM REACTS WHEN A START COMMAND IS RECEIVED DURING OPERATION	0	0-2
	PRE-ALARM	GATE RUNNING OUTPUT (AUX VALUE=G) CLOSES 3 SEC. BEFORE GATE MOVEMENT. O=OFF / 1=ON	0	0-1
	HOLD-TO-RUN	REQUIRES CONTINUOUS OPEN OR CLOSE COMMAND INPUT FOR GATE TO OPERATE. O=OFF / 1=ON	0	0-2
	IBL OPEN	IGNORES START INPUT DURING THE OPENING CYCLE. O=OFF / 1=ON	0	0-1
	IBL TCA	IGNORES THE START INPUT WHILE COUNTING DOWN FOR AUTOMATIC CLOSING, O=OFF / 1=ON	0	0-1
	IBL CLOSE	IGNORES THE START INPUT DURING THE CLOSING CYCLE. O=OFF / 1=ON	0	0-1
	RAM BLOW C. OP	PUSHES GATE AGAINST PHYSICAL STOP BEFORE OPENING	0	0-1
	RAM BLOW C. CL	PUSHES GATE AGAINST PHYSICAL STOP BEFORE CLOSING	0	0-1
	BLOC PERSIST	HOURLY PUSH AGAINST PHYSICAL STOP	0	0-1
	PRESS SWC	PUSHES GATE AGAINST PHYSICAL STOP FOR .5 SECONDS AFTER CLOSE LIMIT HAS BEEN REACHED.	0	0-1
	ICE	CONTINUOUS FORCE LEARNING ON EVERY OPERATION.	0	0-1
	1 MOT. ON	SINGLE MOTOR OPERATION. O= (2)MOTORS; 1=(1)MOTOR.	0	0-1
	OPEN IN OTHER DIRECT.	O = PULL TO OPEN; 1 = PUSH TO OPEN	0	0-1
	SAFE 1 *	CONFIGURATION OF SAFETY INPUT TERMINAL 72, DEFAULTED AS PHOT (OBSTRUCTION)	0	0-8
	SAFE 2 *	CONFIGURATION OF SAFETY INPUT TERMINAL 74. DEFAULTED AS BAR (SAFETY EDGE)	6	0-8
	IC 1 *	CONFIGURATION OF COMMAND INPUT TERMINAL 61, DEFAULTED AS START E	0	0-6
	IC 2 *	CONFIGURATION OF COMMAND INPUT TERMINAL 62, DEFAULTED AS PED (PARTIAL OPEN)	4	0-6
	AUX 3 *	CONFIGURATION OF AUXILIARY OUTPUT TERMINALS 26 & 27. DEFAULTED AS 2NO CHANNEL CONTACTS.	0	0-8
	ETXED CODE		0	0-1
	PADEO PPOG	OUICK DEMOTE DE DEMOTE AUDITE OUEL, T inter de	1	0-1
	SEPTAL MODE			0-1
	ADDRESS		0	0-107
	EVOT 1 *	ANN O NELIVORE IDENTIFICATION NUMBER.	1	0-114
	EXPT 1	CONTINUE ATTOM OF EXPANSION BOARD INPUT 1, DEL AUELE AS START COMMUND.		0-19
	EXPL 2	CONFIGURATION OF EXPANSION BOARD INPUT 2. DEFAULTED AS START COMMAND,	0	0-10
	EXPOIN	CONFIGURATION OF EXPANSION BOARD OUTPUT I, DEFAULTED AS TRAFFIC LIGHT CONTROL.	4	0-4
	EXPO 2	CONFIGURATION OF EXPANSION BOARD OUTPUT 2. DEFAULTED AS TRAFFIC LIGHT CONTROL.	4	0-4
	TRAFFIC LIGHT PREFLASHING	RED LIGHT FLASHES FOR 3 SEC. AT EVERY START. O = OFF; T = ON	0	0-1
	TRAFFIC LIGHT RED LAMP ALWAYS ON	RED LIGHT REMAINS ON WHEN GATE IS CLOSED. O = OFF; 1 = ON	0	0-1
RADIO >	ADD START	LEARNS TRANSMITTER BUTTON AS START COMMAND		
	ADD 2CH	LEARNS TRANSMITTER BUTTON AS 2 <sup>ND</sup> CHANNEL		
	ERASE 64	ERASE COMPLETE MEMORY		
	COD RX	SHOW RECEIVER ID CODE		
	WK	W LINK.		
DEFAULT	RESTORES BOARD TO FACTORY	Y SETTINGS. NO EFFECT ON RADIO		
LANGUAGE >	ITA	ITALIAN		
	FRA	FRENCH		
	DEU	GERMAN		
	ENG	ENGLISH		
	ESP	SPANISH		
AUTOSET	OPERATES MOTOR(S) SEVERAL	TIMES AND AUTOMATICALLY ADJUST ITS FORCE SETTINGS		
L. SW ADJ	LIMIT OF TRAVEL ADJUSTMENT.	ONLY AVAILABLE WITH TYPE 4 AND 5 MOTORS		
STAT >	VERS	DISPLAYS BOARD FIRMWARE VERSION.		
	N. CYCLES	DISPLAYS NUMBER OF HUNDREDS OF CYCLES (001=100: 010=1000: 100=10.000)		
	N. REMOTES	PISPLAYS THE NUMBER OF REMOTES IN MEMORY.		
	EPP	DISPLAYS THE LAST 30 BOARD ERRORS IN DESCENDING OPDER		
016620000	OACCWOOD CETTING FOO WIDE			_

### STEP-BY-STEP LOGICS

VALUE	0	1	2
LOGIC	4-STEP	3-STEP	2-STEP
OPENING	STOPS + TCA	STOPS + TCA	REVERSES
CLOSING	STOPS	REVERSES	REVERSES

## SAFE LOGICS

VALUE	FUNCTION	
0	PHOT	OBSTRUCTION SENSOR INPUT, NO
1	PHOT TEST	OBSTRUCTION SENSOR INPUT, NO
2	PHOT OP	OPENING OBSTRUCTION SENSOR
3	PHOT OP TEST	OPENING OBSTRUCTION SENSOR
4	PHOT CL	CLOSING OBSTRUCTION SENSOR
5	PHOT CL TEST	CLOSING OBSTRUCTION SENSOR
6	BAR	SAFETY EDGE (CONTACT OBSTRU
7	BAR TEST	SAFETY EDGE (CONTACT OBSTRUC
8	BAR BK2	SAFETY EDGE (CONTACT OBSTRUC

### IC & EXPI LOGICS

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VALUE	f	FUNCTION	IC1&2	EXPI 1	EXPI 2
0	START - EXTERNA	AL	•	۲	•
1	START - INTERNA	AL	•	•	•
2	OPEN		•	•	•
3	CLOSE		•	•	•
4	PED (PARTIAL O	PEN)	•	•	•
5	TIMER (HOLD OF	PEN)	•	•	•
6	TIMER PED (HOL	D PARTIAL OPEN)	•	•	•
7	OBSTRUCTION (	PHOT)		•	•
8	OPENING OBSTR	RUCTION (PHOP)		•	•
9	CLOSING OBST	RUCTION (PHCL)		•	$\bullet$
10	SAFETY EDGE (B	AR)		•	•
11	OBSTRUCTION,	SUPERVISED		•	
12	OPENING OBSTR	RUCTION, SUPERVISED		٠	
13	CLOSING OBST	RUCTION, SUPERVISED		•	
14	SAFETY EDGE, S	UPERVISED		•	
a xu	EXPO LOGIC	5			
VALUE				FUNCTI	ON
0	2ND CHANNEL RE	CEIVER OUTPUT			
1	GATE OPEN LIGH	T. OUTPUT ACTIVE WHEN GA	TE IS NO	r CLOSE	D. FLASH
2	COURTESY LIGHT	. OUTPUT ACTIVE DURING A	ND FOR 9	O SECO	NDS AFT
3	GATE NOT CLOSE	ED. OUTPUT ACTIVE UNTIL C	LOSE LIN	IT IS R	EACHED
4	START OF CYCLE	OUTPUT ACTIVE FOR 1 SEC	OND AT TI	HE BEGI	NNING O
5	GATE OPEN ALAR	M. OUTPUT ACTIVE IF GATE	IS HELD	OPEN FO	DR MORE
-					

- 6 GATE RUNNING. OUTPUT ACTIVE WHILE MOTORS ARE POWERED
- SOLENOID LOCK. OUTPUT ACTIVE FOR 2 SECOND AT THE BEGINNING OF OPEN CYCLE 7
- 8 MAGNETIC LOCK, OUTPUT ACTIVE WHEN GATE IS CLOSED
- 9 TRAFFIC LIGHT CONTROL (EXPANSION BOARD OUTPUT WITH TLB BOARD ONLY)

# COMMON ERROR CODES

error	DESCRIPTION	ERROR	DESCRIPTION
ER2O	MOTOR 2 IMPROPER ENCODER MOVEMENT DETECTED	ER35	MOTOR 1 OBSTACLE DETECTION DURING OPENING
ER22	MOTOR 2 OPPOSITE MOVEMENT	ER36	MOTOR 1 OBSTACLE DETECTION DURING CLOSING
ER25	MOTOR 1 IMPROPER ENCODER MOVEMENT DETECTED	ER37	MOTOR 1 OBSTACLE DETECTION DURING OPENING SLOWDOWN
ER27	MOTOR 1 OPPOSITE MOVEMENT	ER38	MOTOR 1 OBSTACLE DETECTION DURING CLOSING SLOWDOWN
ER30	MOTOR 2 OBSTACLE DETECTION DURING OPENING	ER40	THERMAL OVERLOAD
ER31	MOTOR 2 OBSTACLE DETECTION DURING CLOSING	ERG1	OPERATING ON BATTERY POWER
ER32	MOTOR 2 OBSTACLE DETECTION DURING OPENING SLOWDOWN	ERSW	ERROR SETTING LIMITS
ER33	MOTOR 2 OBSTACLE DETECTION DURING CLOSING SLOWDOWN	ERF9	LOCK OUTPUT OVERLOAD

DESCRIPTION

ION-CONTACT

ON-CONTACT, SUPERVISED (FAULT ACTIVE)

INPUT, NON-CONTACT

INPUT, NON-CONTACT, SUPERVISED (FAULT ACTIVE)

PINPUT, NON-CONTACT

INPUT, NON-CONTACT, SUPERVISED (FAULT ACTIVE)

ICTION) INPUT

CTION) INPUT, SUPERVISED (FAULT ACTIVE)

ICTION) EOL RESISTOR SUPERVISED INPUT

\*NOTE - WHEN THE EXPANSION BOARD INPUT 1 (EXPI 1) IS SET TO VALUES 11 ~ 14, THE EXPANSION BOARD INPUT 2 (EXPI 2) AUTOMATICALLY BECOMES THE SUPERVISION CIRCUIT (FAULT).

HES WHILE CLOSING ER OPERATION. F EACH CYCLE THAN DOUBLE THE TIMER TO CLOSE TIME