

Command	Example	MOTOR RUNNING
RUN	R	Run motor at speed S, length L and direction D
RUN UNTIL IN = ON	RUI2	Run length or until input 2 = ON
RUN UNTIL IN = OFF	RUI/3	Run length or until input 3 = OFF
ZERO-SEARCH	Z	Search for mechanical zero position for motor (defined by input 4)

Command	Example	INPUTS AND OUTPUTS
IF IN=ON	I3 02.1R	If input 3=ON, then execute the rest of the line (turns on output 2 and runs motor)
IF IN=OFF	I/2 R	If input 2=OFF, then execute the rest of the line (runs motor)
WAIT IN=ON WAIT IN=OFF	WI2 WI/3	Wait until input 2 = ON Wait until input 3 = OFF
OUT = ON OUT = OFF	02.1 02.0	Turn on output 2 Turn off output 2

Command	Example	TIMER
WAIT	W2000	Wait 2000 milliseconds

Command	Example	COUNTER (Program Loop)
COUNTER	N6	Specifies 6 loop repeats
LOOPSTART LOOPEND	(R W500 R W1600)	Left bracket is start of loop Right bracket is end of loop

<b>Command</b>	<b>Example</b>	<b>PROGRAM EXECUTION AND EDITING</b>
GOTO START GOTO LINE	G G30	Start program/go to first line Start program/go to line 30
GOSUB LINE RETURN	GS100 RET	Go to subprogram line 100 Return from subprogram
IF	IF S>345	If S is greater than 345, then execute the rest of the line
BREAK	BK2 G500	Monitor program: If In2=ON, then break program and go to line 500
HALT	H	<b>STOP PROGRAM EXECUTION AND MOTORS</b>
LIST	LIST	Print program listing
ERASE	E!	Erase program and set to default values

<b>Command</b>	<b>Example</b>	<b>SYSTEM</b>
USER REG	UA534	Set user register A = 534
STATUS USER STATUS	? U?	Print status: registers and inputs/outputs Print status: user registers
PRINT	PRINT "abc" PRINT S	Print the text: abc Print value of S (Speed) register
COMMENT	! HELLO	Comment – is ignored by the program

<b>Command</b>	<b>Example</b>	<b>MULTITASK MOTOR RUNNING</b>
RUN MULTITASK	R#	Start motor and continue program execution while motor is running
WAIT LENGTH	WL4400	Wait until motor has run at least 4400 relative length
WAIT POS.	WP5500	Wait until motor has reached at least the absolute position 5500
STOP MOTOR	STOP	Stops motor, but continues program

<b>Command</b>	<b>Example</b>	<b>THUMBWHEEL (preselection input)</b>
EXTERNAL	LX1-4,0-50	Input of external value from preselection is made by replacing the usual <n> value by X meaning external:  will input length from preselection Nos. 1-4 and accept a setting within the limits 0 to 50