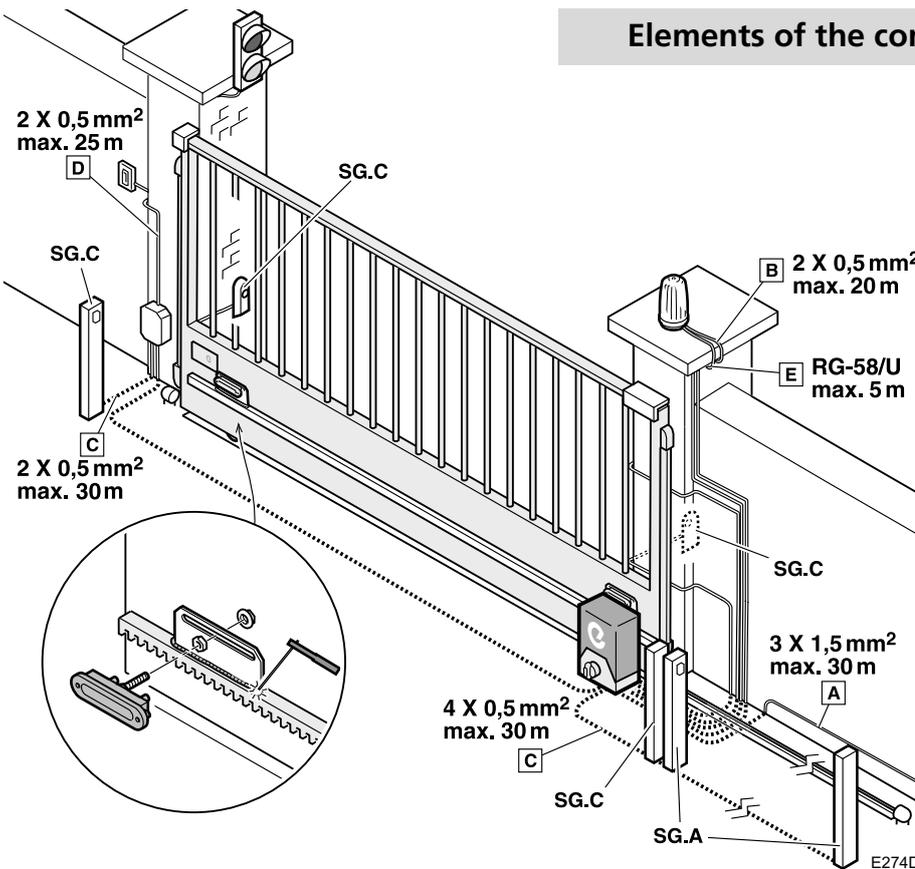# RINO-I

WARNING	This quick guide is a summary of the complete installation manual. The manual contains safety warnings and other explanations which must be taken into account. The most recent versions of this guide and the installation manual are available at the "Downloads" section on Erreka's website. http://www.erreka-automation.com

The options and functions described in this guide apply for the firmware version indicated on the circuit. The firmware, as part of a process of continuous improvement, is subject to new functionalities or upgrades being included as a result of new versions which are not necessarily compatible with previous ones. For this reason, some options or functions may differ or be unavailable if your firmware is older than shown in this guide. |

## Elements of the complete installation

2 X 0,5 mm² max. 25 m
D

SG.C

SG.C

B 2 X 0,5 mm² max. 20 m

E RG-58/U max. 5 m

C
2 X 0,5 mm² max. 30 m

SG.C

3 X 1,5 mm² max. 30 m
A

4 X 0,5 mm² max. 30 m
C

SG.C

SG.A

E274D

Electrical wiring

A: Main power supply

B/E: Flashing light with antenna

C: Photocells (Tx / Rx)

D: Pushbutton/wall key

Photocells

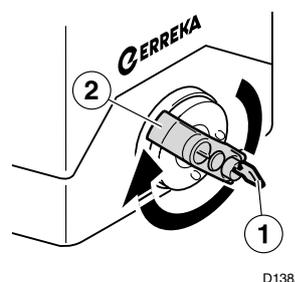SG.A: opening photocell,
enable: $C4 10$
enable testing: $C4 11$

SG.C: closing photocell,
enable: $C5 10$
enable testing: $C5 11$
enable with opening disabled: $C520$
enable testing with opening disabled: $C521$

Assembly levels (mm)

5
200
150
95
60
43

E138C
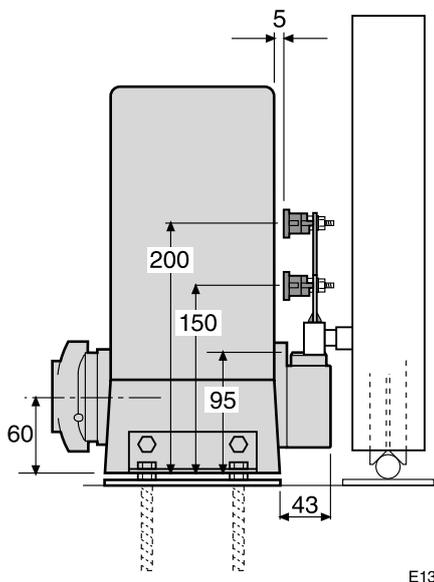
Unlocking

Unlocking

2
1
D138A

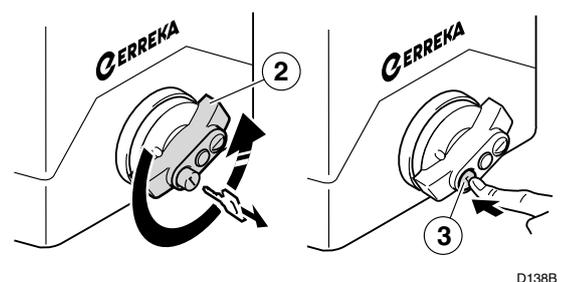**Unlocking for manual operation:**

- Insert the key (1) and turn clockwise without forcing it.
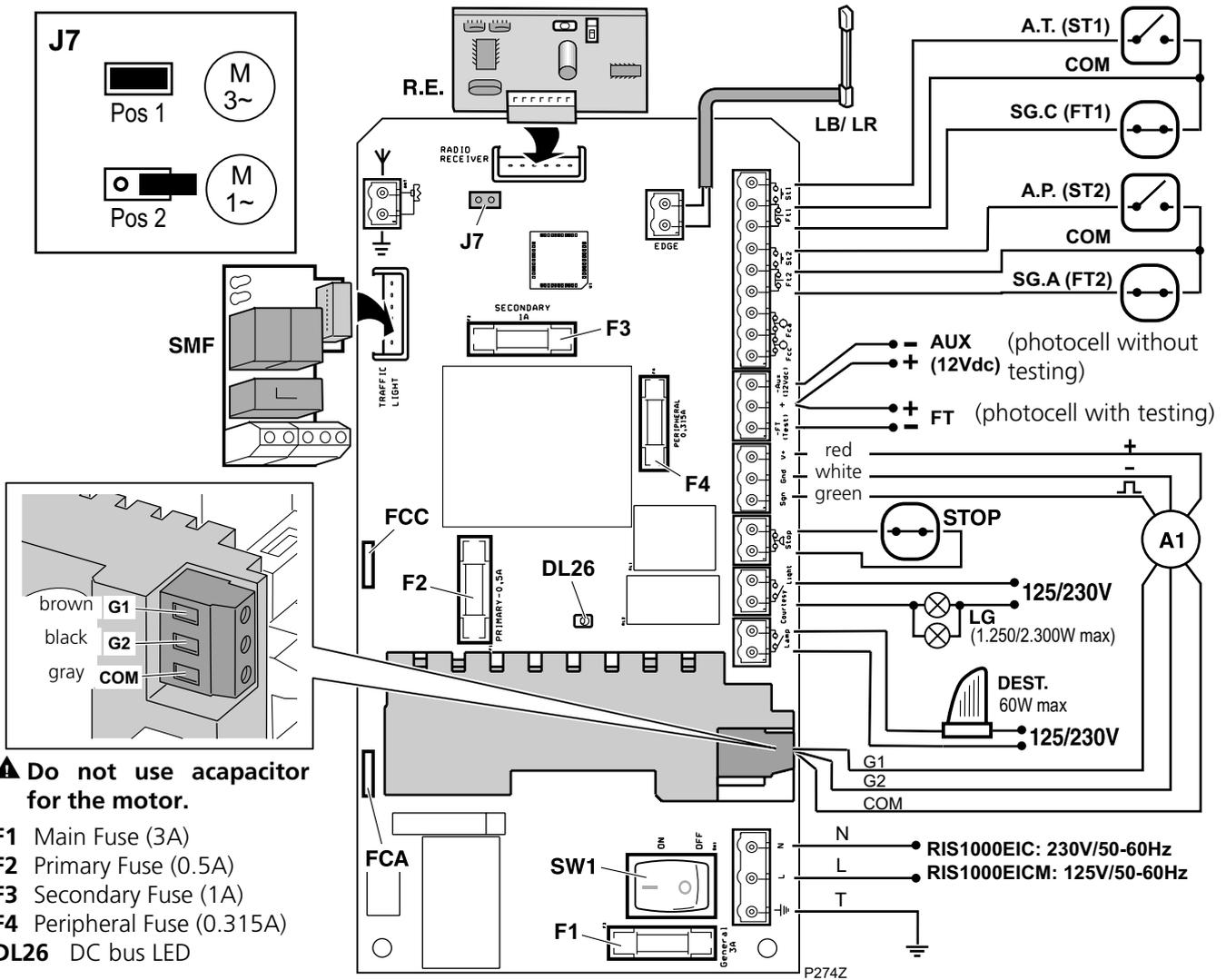- Turn the handle (2) clockwise 270°, through to the stopper but without forcing it.

Locking

2
2
3
D138B

Locking for motorised operation:

- Turn the handle (2) anti-clockwise 270° without forcing it.
- Turn the key (1) anti-clockwise and remove.
- Push the cylinder (3) inward and manually move the gate to interlock it in the drive mechanism.
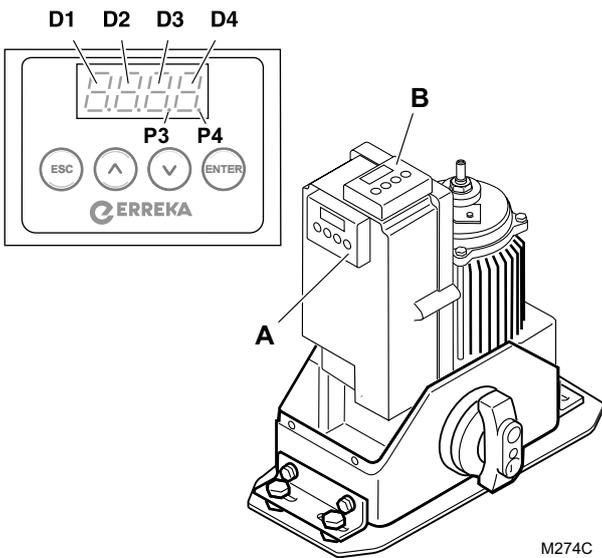
6

General connections

J7
Pos 1 — M 3~
Pos 2 — M 1~

R.E.
RADIO RECEIVER
J7
SMF
TRAFFIC LIGHT
SECONDARY 1A — **F3**
PERIPHERAL 0.315A — **F4**
FCC
F2 PRIMARY - 0.5A
DL26
FCA
SW1 ON/OFF
F1 General 3A

brown **G1**
black **G2**
gray **COM**

⚠ **Do not use a capacitor for the motor.**

F1 Main Fuse (3A)
F2 Primary Fuse (0.5A)
F3 Secondary Fuse (1A)
F4 Peripheral Fuse (0.315A)
DL26 DC bus LED

LB/ LR
EDGE

A.T. (ST1)
COM
SG.C (FT1)
A.P. (ST2)
COM
SG.A (FT2)

- **AUX (12Vdc)** (photocell without testing)
- **FT** (photocell with testing)

red / white / green — **STOP**
125/230V — **LG** (1.250/2.300W max)
DEST. 60W max — **125/230V**
A1
G1 / G2 / COM

N — **RIS1000EIC: 230V/50-60Hz**
L — **RIS1000EICM: 125V/50-60Hz**
T

P274Z

Display indications

D1 D2 D3 D4
P3 P4
ESC ∧ ∨ ENTER
ERREKA

B
A

M274C

☞ The display can be placed in position "B" for easier programming. Once finished, return to "A" position before positioning the frame.

P3: communication with inverter module
P4: encoder active

D1 and D2:

CL88	(static)	Gate closed
CL88	(flashing)	Gate closing
OP88	(static)	Gate open
OP88	(flashing)	Gate opening
PC88	(flashing)	Pedestrian door closing
PO88	(static)	Pedestrian door open
PO88	(flashing)	Pedestrian door opening
XX88	(countdown)	Gate on standby
PA88	(static)	Pause (operation not complete)
StOP		Operator unlocked
HERt		Excessive heating inverter module
COn		Communication failure with inverter module

D3 and D4 (during operation):

8888	FT2 activated	8888	FT1 activated
8888	Flashing light	8888	green traffic light activated
8888	Internal FCC activated	8888	Internal FCA activated
8888	2nd radio channel (or RSD)	8888	1st radio channel signal
8888	External FCC activated	8888	External FCA activated
8888	ST2 activated	8888	ST1 activated
8888	LG activated	8888	red traffic light activated

D3 and D4 (in case of failure):

88C4	Opening safety device activated
88C5	Closing safety device activated
88C9	Safety strip enabled
88E1	Encoder motor shutdown
88F1	Force limit exceeded

7

Turning direction change and check (C1)

☞ This operation is only necessary if the operator opens the leaf instead of closing it when making a reset (rS).

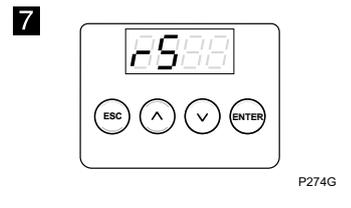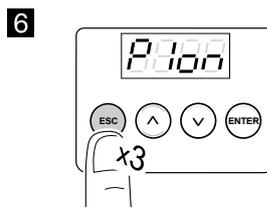1. Press ENTER, with the display showing rSXX (rS88, rS88, rS88, rS88, etc).

P274H

P274I

P274J

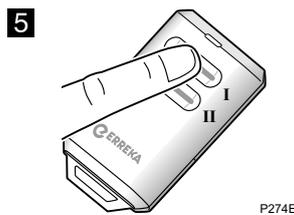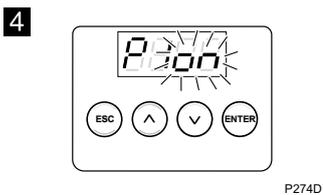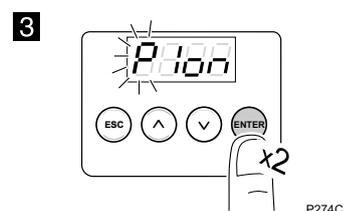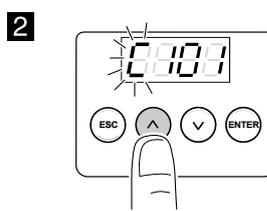
P274K

P274ZZ

P274X

P274W

P274V

P274Y
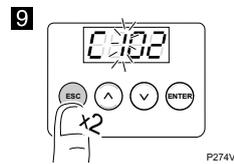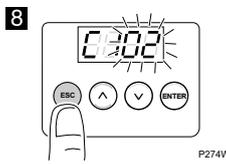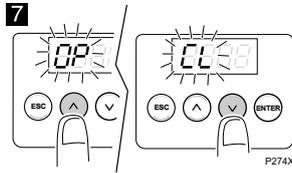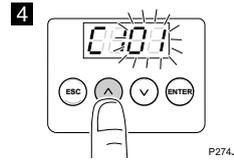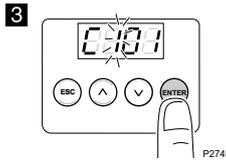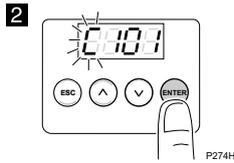
Total opening radio code programming P1 (with RSD receiver only, C801)

☞ If a receiver other than RSD is used, see the corresponding instructions.

☞ Select the option C801 (RSD receiver) before starting programming.

1. Press ENTER, with the display showing rSXX (rS88, rS88, rS88, rS88, etc).

P274B
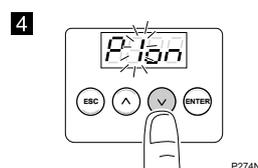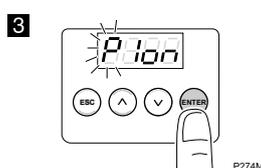
P274C

P274D

P274E

P274F

P274G

Pedestrian opening radio code programming, P2 (with RSD receiver only, C801)

☞ This procedure is the same as for total opening, but using parameter P2 instead of P1.

Open/close programming (P3)

1. Press ENTER, with the display showing rSXX (rS88, rS88, rS88, rS88, etc).

P274B

P274M

P274N

P274O

P274P
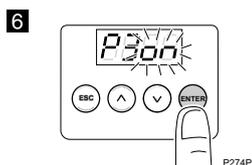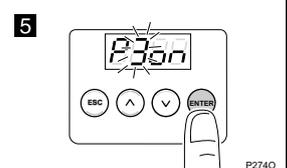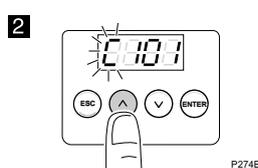
☞ Before programming, carry out an opening and closing movement at normal and slow speed in order to detect the corresponding currents (parameter A6XY).

7.
P274Q
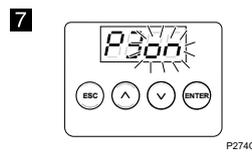
8. Start opening by pressing the transmitter, ST1 or ^.

9. Start slowdown by pressing the transmitter, ST1 or ^.

10. Wait for it to come to a stop at the end of travel.

11. Start closing by pressing the transmitter, ST1 or ^.

12. Start slowdown by pressing the transmitter, ST1 or ^.

13. Wait for it to come to a stop at the end of travel.

☞ Once programming is complete, the parameter A6XY is shown, indicating the suggested currents for normal speed (X) and fast speed (Y). This can be modified if required.

14.

P274S

15.

P274U
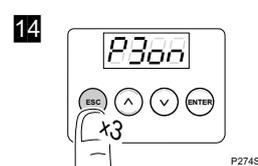
☞ **Pedestrian opening** is programmed using the parameter F3 (see "Complete programming chart").

Complete programming chart

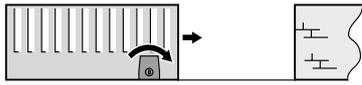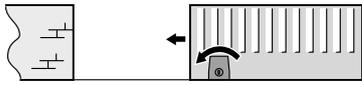| D1	D2	Parameter	D3	D4	Pre-set option	Options or values
C	I	Motor turning direction	0	I	x	
			0	2		
	3	Type of gate	0	2	x	Sliding gate
			0	3		Up&over door, with shadow function
	4	Opening safety device (photocell or strip)	0	0	x	Device not installed
			I	0		Device without testing
			I	I		Device with testing
	5	Closing safety device (photocell or strip) Closing photocell with C520 or C521, also prevents the start of gate opening	0	0	x	Device not installed
			I	0		Device without testing
			I	I		Device with testing
			2	0		Device without testing
			2	I		Device with testing
	7	Encoder and limit switches (when using external limit switches, connect them to the corresponding terminals of the control board)	0	0		No encoder or limit switches
			0	2		With internal limit switches
			0	4	x	With encoder and internal limit switches
			0	6		With external limit switches
			0	7		With encoder and external limit switches
	8	Radio receiver	0	I		RSD card (frame, not decoder)
			0	2	x	Twin-channel decoder card
	9	Safety strip type	0	I	x	Contact edge
			0	2		Resistive edge
	A	Slowdown	0	0		No slowdown
			0	I	x	Slowdown in opening and closing
			0	2		Slowdown in opening
			0	3		Slowdown in closing
P	I	Total opening radio code programming	o	n		
	2	Pedestrian opening radio code programming	o	n		
	3	Gate travel programming	o	n		
F	I	Key command using ST1 and ST2 pushbuttons	0	0		ST1 and ST2 without effect, key commands are made by radio (channel 1: total opening-closing, channel 2: pedestrian opening-closing)
			0	I	x	ST1 total opening-closing, ST2 pedestrian opening-closing
			0	2		ST1 total opening, ST2 total closing
			0	3		Dead-man mode
			0	4		Dead-man mode in closing
	2	Operation mode (semi-automatic or automatic) and stand-by time (in seconds) in automatic mode	0...5.	0...9	00	00: semi-automatic mode 01: automatic mode and stand-by time 1 second; ... 59: automatic mode and stand-by time 59 sec.; I0: 1 min. 0 secs.; ....; maximum 4 minutes
	3	Pedestrian opening	0...9	0...9	40	00: Pedestrian opening is not carried out 01: 1% of total opening I2: 12% of total opening 99: 99% of total opening (equivalent to 100%)
	4	Pedestrian closing operation mode (semi-automatic or automatic) and stand-by time (in seconds) in automatic mode	0...5.	0...9	00	00: semi-automatic mode 01: automatic mode and stand-by time 1 second; ... 59: automatic mode and stand-by time 59 sec.; I0: 1 min. 0 secs.; ....; maximum 4 minutes

9

R	0	Flashing light	0	1	x	No pre-warning, static output
			0	2		With pre-warning, static output
	1	Garage light time	0...5.	0...9	03	59 = 59 secs; 25 = 2 min. 50 secs, etc
	2	Gate speed The open/close run must be reprogrammed whenever this parameter is changed	0	1...9	03	01: minimum speed (40Hz); 02: 45Hz, 03: 50Hz, 04: 55Hz, ... 09: maximum speed (80Hz)
	3	Slowdown speed The open/close run must be reprogrammed whenever this parameter is changed	0	1...9	03	01: minimum speed (21Hz); 02: 22Hz, 03: 23Hz, 04: 24Hz, ... 09: maximum speed (29Hz)
	6	Maximum entrapment current (each value equivalent to 0.5A) The digit D3 can be used to adjust current to normal speed The digit D4 can be used to adjust current to slow speed	0...9	0...9	00	00: disabled; 01: disabled at normal speed and 0.5A at slow speed; 10: 0.5A at normal speed and disabled at slow speed; ...; 65: 3A at normal speed and 2.5A at slow speed;...; 99: 4.5A at normal and slow speed
	7	Closing photocell crossed during standby (in automatic mode only)	0	0		No effect
			0	1		Immediate closing after crossing
			0	2	x	Restart standby time
	8	Effect of pushbuttons (ST1, ST2) during stand-by time (in automatic mode only)	0	0		No effect
			0	1		Cause immediate close
			0	2	x	Restart stand-by time
	9	Opening mode	0	1		Collective opening
			0	2	x	Semi-automatic alternative shutdown
			0	3		Automatic alternative shutdown (only in automatic mode, F2 ≠ 00)
	b	Using the EPS1 card connector For parameters Rb02 and Rb03, use the EPS1 card and bridge the network input cable connectors instead of disconnecting them from the network.	0	0	x	use for standard traffic light
			0	1		use for brakes
			0	2		NC contact with gate open (L1-COM) and gate closed (L2-COM)
			0	3		impulse 1 second Open (L1-COM) when starting opening and Close (L2-COM) when starting closing. Allows another board to be activated
	E	Special functions	0	0	x	no special function
			0	2		industrial (1.5s delay in shutdown and reversing)
n	0	Programming lock key Be sure to remember any key used, for future access to programming	X	X	0000	The preset option is 0000 (no key). If any figure is changed, this is considered a key. Select the required key (starting with D1) using UP and DOWN. Press ESC to cancel or ENTER to confirm and move to D2, and so on.
	1	Operations carried out (total counter)	X	X		Indicates the hundreds of cycles completed (for example, 68 indicates 6,800 cycles completed)
	2	Operations carried out (partial counter, restarts with ST1 and ST2)	X	X		Indicates the hundreds of cycles completed (for example, 68 indicates 6,800 cycles completed)