ELECTRO SENSORS INC

Form 4/A May 04, 2006

FORM 4

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

2. Issuer Name and Ticker or Trading

OMB Number:

5. Relationship of Reporting Person(s) to

3235-0287

January 31, Expires: 2005

OMB APPROVAL

Estimated average burden hours per

response... 0.5

if no longer subject to Section 16. Form 4 or Form 5

Check this box

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

(Print or Type Responses)

1. Name and Address of Reporting Person *

1(b).

MILLER GEOFFREY W		Symbol ELECTRO SENSORS INC [ELSE]				LSE]	Issuer (Check all applicable)				
(Last)	(First)	(Middle)	3. Date of Earliest Transaction				(Check an applicable)				
12735 - 42ND PLACE N			(Month/Day/Year) 04/28/2006					X Director 10% Owner Officer (give title below) Other (specify below)			
PLYMOUT	(Street) 4. If Amendment, Date Orig Filed(Month/Day/Year) 04/28/2006 H, MN 55442				_	1		6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting Person Form filed by More than One Reporting			
(City)	(State)	(Zip)						Person			
	, ,							quired, Disposed o	of, or Beneficial	lly Owned	
1.Title of Security (Instr. 3)	2. Transaction (Month/Day/Yo	ear) Execution	emed on Date, if /Day/Year)	3. Transactic Code (Instr. 8)		4 and (A) or	d of	5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)	
Common Stock	04/28/2006			A	3,000	A	\$ 2	3,000	D		
Common Stock	04/28/2006			A	3,000	A	\$ 2.33	6,000	D		
Common Stock	04/28/2006			A	3,000	A	\$ 2.89	9,000	D		
Common Stock	04/28/2006			A	3,000	A	\$ 4.49	12,000	D		

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

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Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transactic Code (Instr. 8)	Secu Acqu (A) o Disp (D)	orities uired or osed of r. 3, 4,	6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)	
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares
Stock Option (right to buy)	\$ 2	04/28/2006		M		3,000	04/28/1999	04/27/2009	Common Stock	3,000
Stock Option (right to buy)	\$ 2.33	04/28/2006		M		3,000	04/26/2000	04/25/2010	Common Stock	3,000
Stock Option (right to buy)	\$ 2.89	04/28/2006		M		3,000	04/25/2001	04/24/2011	Common Stock	3,000
Stock Option (right to buy)	\$ 4.49	04/28/2006		M		3,000	04/17/2002	04/17/2017	Common Stock	3,000

Reporting Owners

Reporting Owner Name / Address	Relationships						
	Director	10% Owner	Officer	Other			
MILLER GEOFFREY W 12735 - 42ND PLACE N	X						
PLYMOUTH, MN 55442	Λ						

Reporting Owners 2

Signatures

/s/ GEOFFREY W MILLER

05/03/2006

**Signature of Reporting

Date

Explanation of Responses:

- * If the form is filed by more than one reporting person, see Instruction 4(b)(v).
- ** Intentional misstatements or omissions of facts constitute Federal Criminal Violations. See 18 U.S.C. 1001 and 15 U.S.C. 78ff(a).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.

Signatures 3