STROM JOHN S Form 4/A June 24, 2005

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

SECURITIES

OMB Number:

3235-0287

Expires:

January 31, 2005

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subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction

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if no longer

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

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * STROM JOHN S			2. Issuer Name and Ticker or Trading Symbol ELECTRO SENSORS INC. IELES				C	5. Relationship of Reporting Person(s) to Issuer			
			ELECTRO SENSORS INC			C[E	LSEJ	(Check all applicable)			
(Last)	(First)	(Middle)	3. Date of Earliest Transaction								
			(Month/Day/Year) 03/09/2005					X Director Officer (giv below)		Owner or (specify	
								below)	below)		
	(Street)		4. If Amer	nendment, Date Original				6. Individual or Joint/Group Filing(Check			
			`	Filed(Month/Day/Year)				Applicable Line)			
55577 257 557			03/22/20	03/22/2005				_X_ Form filed by One Reporting Person Form filed by More than One Reporting			
EDINA, MN 55424								Person			
(City)	(State)	(Zip)	Table	e I - Non-D	erivative S	Securi	ities Aco	quired, Disposed o	of, or Beneficial	lly Owned	
1.Title of	2. Transaction D	ate 2A. De	emed	3.	4. Securi	ties A	cquired	5. Amount of	6. Ownership	7. Nature of	
Security	Security (Month/Day/Year) Execution Date, if		Transaction(A) or Disposed of				Securities	Form: Direct	Indirect		
(Instr. 3)		any		Code (D)			Beneficially	(D) or	Beneficial		
		(Month	/Day/Year)	(Instr. 8)	(Instr. 3,	4 and	5)	Owned	Indirect (I)	Ownership	
								Following Reported	(Instr. 4)	(Instr. 4)	
						(A)		Transaction(s)			
				Code V	Amount	or (D)	Price	(Instr. 3 and 4)			
Common Stock	03/09/2005			M	3,000	A	\$ 2.58	4,750 <u>(1)</u>	D		

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)required to respond unless the form displays a currently valid OMB control number.

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

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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. Transacti Code (Instr. 8)	Secu Acqu (A) o Dispo	rities nired or osed of r. 3, 4,	6. Date Exerci Expiration Dat (Month/Day/Y	te	7. Title and A Underlying S (Instr. 3 and	Securities	8 I S (
				Code V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Stock Option (Right to Buy)	\$ 2.58	03/09/2005		M		3,000	04/29/1998	04/28/2008	Common Stock	3,000	
Stock Option (Right to Buy)	\$ 2						04/28/1999	04/27/2009	Common Stock	3,000	
Stock Option (Right to Buy)	\$ 2.33						04/26/2000	04/25/2010	Common Stock	3,000	
Stock Option (Right to Buy)	\$ 2.89						04/25/2001	04/24/2011	Common Stock	3,000	
Stock Option (Right to Buy)	\$ 4.49						04/17/2002	04/17/2012	Common Stock	3,000	

Reporting Owners

Reporting Owner Name / Address	Relationships						
Transfer and the same and the s	Director	10% Owner	Officer Other				
STROM JOHN S							
5005 ARDEN AVENUE	X						
EDINA. MN 55424							

Signatures

Bradley D. Slye as Attorney-in-Fact for John S. Strom pursuant to Power of Attorney previously filed	06/24/2005
**Signature of Reporting Person	Date

Reporting Owners 2

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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).
- (1) Includes 1,750 shares that were inadvertently not previously reported and directly owned by Mr. Strom.

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.