

STROM JOHN S
Form 4/A
June 24, 2005

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

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

(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 [ELSE]

5. Relationship of Reporting Person(s) to Issuer
(Check all applicable)

(Last) (First) (Middle)
5005 ARDEN AVENUE
(Street)

3. Date of Earliest Transaction
(Month/Day/Year)
05/26/2005

Director 10% Owner
 Officer (give title below) Other (specify below)

EDINA, MN 55424
(City) (State) (Zip)

4. If Amendment, Date Original Filed(Month/Day/Year)
05/27/2005

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 Form filed by More than One Reporting Person

Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

| 1. Title of Security (Instr. 3) | 2. Transaction Date (Month/Day/Year) | 2A. Deemed Execution Date, if any (Month/Day/Year) | 3. Transaction Code (Instr. 8) | 4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5) | 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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
| Common Stock | 05/26/2005 | | S | 1,000 D | \$ 4.5 2,000 (1) | D | |

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

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

SEC 1474
(9-02)

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. Transaction Code (Instr. 8) | 5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4, and 5) | 6. Date Exercisable and Expiration Date (Month/Day/Year) | 7. Title and Amount of Underlying Securities (Instr. 3 and 4) | 8. Price of Underlying Securities (Instr. 3 and 4) |
|--|--|--------------------------------------|--|--------------------------------|---|--|---|--|
| Stock Option (Right to Buy) | \$ 2.58 | | | | | 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 | | | |
|--|---------------|-----------|---------|-------|
| | Director | 10% Owner | Officer | Other |
| STROM JOHN S 5005 ARDEN AVENUE EDINA, MN 55424 | | X | | |

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

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.

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