

MILLER LLOYD I III  
Form SC 13G  
May 28, 2009

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

**SCHEDULE 13G  
(Rule 13d-102)**

**INFORMATION TO BE INCLUDED IN STATEMENTS FILED PURSUANT  
TO RULES 13d-1(b) (c) AND (d) AND AMENDMENTS THERETO FILED  
PURSUANT TO RULE 13d-2(b)  
(Amendment No. \_\_\_)\***

Magnetek, Inc.  
(Name of Issuer)  
Common Stock  
(Title of Class of Securities)  
559424106  
(CUSIP Number)  
May 26, 2009  
(Date of Event which Requires Filing of this Statement)

Check the appropriate box to designate the rule pursuant to which this Schedule is filed:

- Rule 13d-1(b)
- Rule 13d-1(c)
- Rule 13d-1(d)

Page 1 of 5

\* The remainder of this cover page shall be filled out for a reporting person's initial filing on this form with respect to the subject class of securities, and for any subsequent amendment containing information which would alter disclosures provided in a prior cover page.

The information required on the remainder of this cover page shall not be deemed to be filed for the purpose of Section 18 of the Securities Exchange Act of 1934 ( Act ) or otherwise subject to the liabilities of that section of the Act but shall be subject to all other provisions of the Act (however, see the Notes).

CUSIP No. 559424106

**SCHEDULE 13G**

Page 2 of 5 Pages

NAME OF REPORTING PERSON

1

Lloyd I. Miller, III

CHECK THE APPROPRIATE BOX IF A MEMBER OF A GROUP\*

2

(a)

(b)

SEC USE ONLY

3

CITIZENSHIP OR PLACE OF ORGANIZATION

4

United States

SOLE VOTING POWER

5

NUMBER OF 986,549

SHARED VOTING POWER

SHARES BENEFICIALLY OWNED BY 6

581,783

SOLE DISPOSITIVE POWER

EACH REPORTING PERSON 7

986,549

SHARED DISPOSITIVE POWER

WITH 8

581,783

AGGREGATE AMOUNT BENEFICIALLY OWNED BY EACH REPORTING PERSON

9

1,568,332

CHECK BOX IF THE AGGREGATE AMOUNT IN ROW (9) EXCLUDES CERTAIN SHARES\*

**10**

o

PERCENT OF CLASS REPRESENTED BY AMOUNT IN ROW (9)

**11**

5.1%

TYPE OF REPORTING PERSON

**12**

IN-IA-OO \*\*

\*SEE INSTRUCTIONS BEFORE FILLING OUT!

\*\* See Item 4.

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Item 1(a). Name of Issuer: Magnetek, Inc.

Item 1(b). Address of Issuer's Principal Executive Offices: N49 W13650 Campbell Drive  
Menomonee Falls, Wisconsin 53051

Item 2(a). Name of Person Filing: Lloyd I. Miller, III

Item 2(b). Address of Principal Business Office or, if None, Residence: 4550 Gordon Drive, Naples, Florida  
34102

Item 2(c). Citizenship: U.S.A.

Item 2(d). Title of Class of Securities: Common Stock

Item 2(e). CUSIP Number: 559424106

Item 3. IF THIS STATEMENT IS FILED PURSUANT TO RULE 13d-1(b) OR 13d-2(b) or (c), CHECK WHETHER THE PERSON FILING IS A:

Not Applicable, this statement is filed pursuant to 13d-1(c)

Item 4. OWNERSHIP: The reporting person has shared dispositive and voting power with respect to 581,783 shares of the reported securities as an investment advisor to the trustee of certain family trusts. The reporting person has sole dispositive and voting power with respect to 986,549 of the reported securities as (i) a manager of a limited liability company that is the general partner of a certain limited partnership, (ii) the trustee to a certain grantor retained annuity trust, and (iii) an individual.

(a) 1,568,332

(b) 5.1%

(c) (i) sole voting power: 986,549  
(ii) shared voting power: 581,783

(iii) sole dispositive power: 986,549

(iv) shared dispositive power: 581,783

Item 5. OWNERSHIP OF FIVE PERCENT OR LESS OF A CLASS:

Not Applicable

Item 6. OWNERSHIP OF MORE THAN FIVE PERCENT ON BEHALF OF ANOTHER PERSON:

Other than shares held directly by Lloyd I. Miller, III, persons other than Lloyd I. Miller, III have the right to receive or the power to direct the receipt of dividends from, or the proceeds from the sale of, the reported securities.

Item 7.

IDENTIFICATION AND CLASSIFICATION OF THE SUBSIDIARY WHICH ACQUIRED THE SECURITY BEING REPORTED ON BY THE PARENT HOLDING COMPANY:

Not Applicable

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Item 8. IDENTIFICATION AND CLASSIFICATION OF MEMBERS OF THE GROUP:

Not Applicable

Item 9. NOTICE OF DISSOLUTION OF GROUP:

Not Applicable

Item 10. CERTIFICATION:

By signing below I certify that, to the best of my knowledge and belief, the securities referred to above were not acquired and are not held for the purpose of or with the effect of changing or influencing the control of the issuer of the securities and were not acquired and are not held in connection with or as a participant in any transaction having that purpose or effect.

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SIGNATURE

After reasonable inquiry and to the best of my knowledge and belief, I certify that the information set forth in this statement is true, complete and correct.

Dated: May 28, 2009

/s/ Lloyd I. Miller, III  
Lloyd I. Miller, III