Ingersoll-Rand plc Form 4 October 02, 2013

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

0.5

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OMB APPROVAL

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

Check this box

obligations may continue. See Instruction

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 * MARTIN THEODORE E

(First)

(Street)

(Middle)

2. Issuer Name and Ticker or Trading Symbol

5. Relationship of Reporting Person(s) to Issuer

Ingersoll-Rand plc [IR]

(Check all applicable)

C/O INGERSOLL-RAND COMPANY, 800-E BEATY

STREET

(Last)

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

09/30/2013

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

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

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

DAVIDSON, NC 28036

(City) (State) (Zip) 2. Transaction Date 2A. Deemed 1. Title of Security (Month/Day/Year) Execution Date, if

4. Securities Acquired 3. Transaction(A) or Disposed of (D) Code (Instr. 3, 4 and 5) (Instr. 8)

5. Amount of Securities Beneficially Owned **Following**

Reported

6. Ownership Form: Direct (D) or Indirect (I)

(Instr. 4)

7. Nature of Indirect Beneficial Ownership (Instr. 4)

(A)

Transaction(s) (Instr. 3 and 4)

or (D) Price

Ordinary Shares

(Instr. 3)

09/30/2013

Code V Amount 192.86 A (1) 64.94

87,029.06 D

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

(Month/Day/Year)

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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 | 2. | 3. Transaction Date | | 4. | 5. | 6. Date Exerc | | 7. Titl | | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|------------|------------|---------------------|-----------------|---------|----------|-------------|----------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transacti | orNumber | Expiration D | ate | Amou | ınt of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | lying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Securi | ities | (Instr. 5) | Bene |
| | Derivative | | • | | Securities | 3 | | (Instr. | 3 and 4) | | Owne |
| | Security | | | | Acquired | | | | | | Follo |
| | | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | (2.11541 |
| | | | | | 4, and 5) | | | | | | |
| | | | | | i, and 3) | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | Data | Evaluation | | or | | |
| | | | | | | Date Exercisable | Expiration Date | Title | Number | | |
| | | | | | | | | | of | | |
| | | | | Code V | (A) (D) | | | | Shares | | |

Reporting Owners

**Signature of Reporting Person

| Reporting Owner Name / Address | Relationships | | | | | | |
|---|---------------|-----------|---------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| MARTIN THEODORE E C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036 | X | | | | | | |

Signatures

/s/ S. Wade Sheek -Attorney-in-Fact

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).

Date

(1) Reflects acquisition of dividend equivalents paid on Company stock held through Company plans. Dividend equivalents are paid at the same rate and at the same time as dividends are paid to Company shareholders.

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.

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