Michel Gary S Form 4 February 26, 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

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OMB APPROVAL

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

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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)

See Instruction

| Michel Gary S | 2. Issuer Name and Ticker or Trading Symbol Ingersoll-Rand plc [IR] | 5. Relationship of Reporting Person(s) to Issuer (Check all applicable) | | | |
|-------------------------|--|---|--|--|--|
| (Last) (First) (Middle) | 3. Date of Earliest Transaction | | | | |
| | (Month/Day/Year) | Director 10% Owner | | | |
| C/O INGERSOLL-RAND | 02/22/2013 | _X_ Officer (give title Other (specify | | | |
| COMPANY, 800-E BEATY ST | | below) below) Senior Vice President | | | |
| (Street) | 4. If Amendment, Date Original | 6. Individual or Joint/Group Filing(Check | | | |
| | Filed(Month/Day/Year) | Applicable Line) | | | |
| | | _X_ Form filed by One Reporting Person | | | |
| DAVIDCON NO 20026 | | Form filed by More than One Reporting | | | |

Person

DAVIDSON, NC 28036

| (City) | (State) | Zip) Table | e I - Non-D | erivative | Secur | ities Ac | quired, Disposed | of, or Beneficia | lly 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 on(A) or Disposed of (D) (Instr. 3, 4 and 5) | | | 5. Amount of Securities Beneficially Owned Following Reported Transaction(s) | 6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4) | 7. Nature of Indirect Beneficial Ownership (Instr. 4) |
| Ordinary | 02/22/2012 | | Code V | Amount 7,875 | ` / | Price | (Instr. 3 and 4) | D | |
| Shares | 02/22/2013 | | A | (1) | A | \$ 0 | 26,799 | D | |
| Ordinary Shares | 02/22/2013 | | A | 3,803 (2) | A | \$ 0 | 30,602 | D | |
| Ordinary Shares | 02/22/2013 | | F | 2,501 | D | \$ 52.6 | 28,101 | D | |
| Ordinary Shares | 02/24/2013 | | F | 455 | D | \$ 52.6 | 27,646 | D | |
| Ordinary Shares (3) | | | | | | | 5,120.81 | I | By Plan Trustee |

Ordinary Shares 300 I Trust for Child

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)

| 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 or 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) | |
|---|---|--------------------------------------|---|---|--|--|--------------------|---|-------------------------------------|
| | | | | Code V | (A) (D) | Date Exercisable | Expiration Date | Title | Amount or Number of Shares |
| Stock Option (Right to Buy) | \$ 52.6 | 02/22/2013 | | A | 12,122 | <u>(4)</u> | 02/21/2023 | Ordinary Shares | 12,122 |

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Michel Gary S C/O INGERSOLL-RAND COMPANY 800-E BEATY ST DAVIDSON, NC 28036

Senior Vice President

Signatures

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

02/26/2013

**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) Represents the vesting of performance share units for the 2010-2012 performance period.
- (2) Represents restricted stock units that vest in three (3) equal annual installments beginning on February 22, 2014.

Reporting Owners 2

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- (3) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (4) The stock option vests in three (3)equal annual installments beginning on February 22, 2014.

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.