Teirlinck Didier P Form 4 March 15, 2012

FORM 4

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

30(h) of the Investment Company Act of 1940

OMB APPROVAL

OMB 3235-0287 Number: January 31,

Expires:

2005 Estimated average

10% Owner

Other (specify

0.5

burden hours per response...

Check this box if no longer subject to Section 16. Form 4 or

SECURITIES Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue.

See Instruction 1(b).

(Last)

(City)

(Instr. 3)

(Print or Type Responses)

1. Name and Address of Reporting Person * Teirlinck Didier P

(First)

(Street)

(State)

(Middle)

(Zip)

2. Issuer Name and Ticker or Trading Symbol

Ingersoll-Rand plc [IR]

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

03/13/2012

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

4. If Amendment, Date Original

Filed(Month/Day/Year)

6. Individual or Joint/Group Filing(Check

Senior Vice President

Applicable Line)

Director

X_ Officer (give title

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

below)

DAVIDSON, NC 28036

1. Title of 2. Transaction Date 2A. Deemed Security

(Month/Day/Year) Execution Date, if (Month/Day/Year)

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

5. Amount of Securities Beneficially Owned Following

6. Ownership Form: Direct (I) (Instr. 4)

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

Reported (A) Transaction(s) or (Instr. 3 and 4) Code V Amount (D) Price

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)

3. Transaction Date 3A. Deemed 1. Title of (Month/Day/Year) Execution Date, if TransactionDerivative Conversion

5. Number of

6. Date Exercisable and **Expiration Date**

7. Title and Amount of 8. Pr Underlying Securities

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Security (Instr. 3)	or Exercise Price of Derivative Security		any (Month/Day/Year)	Code (Instr. 8)	Securities Acquired (a or Disposed (D) (Instr. 3, 4, and 5)	A) d of	(Month/Day/Year)		(Instr. 3 and 4)	
				Code V	(A)	(D) Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units	\$ 0	03/13/2012		A	579.12	<u>(1)</u>	<u>(1)</u>	Ordinary Shares	579.12	\$

Reporting Owners

Reporting Owner Name / Address Relationships

Director 10% Owner Officer Other

Teirlinck Didier P C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036

Senior Vice President

Signatures

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

03/15/2012

**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).
- These Phantom Stock Units are to be settled in cash equal to the fair market value of ordinary shares multiplied by the number of phantom stock units held upon the reporting person's termination of employment with the issuer.
- Amount represents an approximate number of shares based on the total market value of the reporting person's Company stock fund units, as reported by the trustee of the Company supplemental compensation plans.

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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