Teirlinck Didier P Form 4 October 04, 2011

FORM 4

OMB APPROVAL

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

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF

OMB 3235-0287 Number:

Check this box if no longer subject to Section 16.

January 31, Expires: 2005

SECURITIES

Estimated average burden hours per 0.5 response...

Form 4 or Form 5 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 * Teirlinck Didier P	2. Issuer Name and Ticker or Trading Symbol	5. Relationship of Reporting Person(s) to Issuer			
	Ingersoll-Rand plc [IR]	(Check all applicable)			
(Last) (First) (Middle)	3. Date of Earliest Transaction				
C/O INGERSOLL-RAND COMPANY, ONE CENTENNIAL AVENUE	(Month/Day/Year) 09/30/2011	Director 10% Owner Other (specify below) Senior Vice President			
(Street)	4. If Amendment, Date Original	6. Individual or Joint/Group Filing(Check			
	Filed(Month/Day/Year)	Applicable Line)			

PISCATAWAY, NJ 08854

(Month/Day/Year)	Applicable Line)
	X Form filed by One Reporting Person
	Form filed by More than One Reporting
	Person

							Cison		
(City)	(State) (Z	Cip) Table	I - Non-De	rivative Se	curities	s Acqu	iired, Disposed of	f, or Beneficial	ly Owned
1.Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)		3. Transaction Code (Instr. 8)	4. Securit or(A) or Dis (D) (Instr. 3, 4	sposed (4 and 5) (A) or	of	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 Indirect Beneficial Ownership (Instr. 4)
Ordinary Shares (EDCP II)	09/30/2011		A	111.18 (1)	A	\$0	26,135.42	D	
Ordinary Shares							15,619	D	
Ordinary Shares (Restricted Share Units)							16,004	D	
Ordinary							1,190.28 (2)	I	By Plan

Shares Trustee

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

Persons who respond to the collection of SEC 1474 information contained in this form are not required to respond unless the form displays a currently valid OMB control number.

(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. Transacti Code (Instr. 8)	5. Number on Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4,	of Derivative Expiration Date Securities (Month/Day/Year) Acquired (A) or Disposed of (D)		7. Title and Amount of Underlying Securities (Instr. 3 and 4)		8. Pric Deriva Securit (Instr.
				Code V	and 5)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	
Phantom Stock Units	\$ 0	09/30/2011		A	14.17 (3)	<u>(4)</u>	<u>(4)</u>	Ordinary Shares	14.17	\$ (

Reporting Owners

Relationships Reporting Owner Name / Address

> 10% Owner Officer Other

Teirlinck Didier P

C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08854

Senior Vice President

Signatures

/s/ S. Wade Sheek -10/04/2011 Attorney-in-Fact

Date **Signature of Reporting Person

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).
- Reflects acquisition of dividend equivalents paid on Company stock held through Company deferred compensation plans.
- (2) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.

Reporting Owners 2

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- (3) Reflects acquisition of dividend equivalents paid on Company stock held through Company supplemental compensation plans.
- (4) 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.
- (5) 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.