

FORM 4

[] Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

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

OMB APPROVAL
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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934
or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person *		2. Issuer Name and Ticker or Trading Symbol		5. Relationship of Reporting Person(s) to Issuer (Check all applicable)	
Teirlinck Didier P (Last) (First) (Middle)		Ingersoll-Rand plc [IR]		<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Senior Vice President	
C/O INGERSOLL-RAND COMPANY, 800-E BEATY STREET (Street)		3. Date of Earliest Transaction (MM/DD/YYYY) 8/13/2013			
DAVIDSON, NC 28036 (City) (State) (Zip)		4. If Amendment, Date Original Filed (MM/DD/YYYY)		6. Individual or Joint/Group Filing (Check Applicable Line) <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

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

1. Title of Security (Instr. 3)	2. Trans. Date	2A. Deemed Execution Date, if any	3. Trans. Code (Instr. 8)		4. Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)			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)
			Code	V	Amount	(A) or (D)	Price			
Ordinary Shares	8/13/2013		M		2358	A	\$38.47	82778.88	D	
Ordinary Shares	8/13/2013		M		23170	A	\$43.125	105948.88	D	
Ordinary Shares	8/13/2013		M		25276	A	\$39.00	131224.88	D	
Ordinary Shares	8/13/2013		M		15000	A	\$16.85	146224.88	D	
Ordinary Shares	8/13/2013		S		65804	D	\$61.75	80420.88	D	
Ordinary Shares ⁽¹⁾								1371.25	I	By Plan Trustee

Table II - Derivative Securities Beneficially Owned (e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Trans. Date	3A. Deemed Execution Date, if any	4. Trans. Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)	6. Date Exercisable and Expiration Date		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction (s) (Instr. 4)	10. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V		Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (Right to Buy)	\$38.47	8/13/2013		M		2358	(2)	10/1/2015	Ordinary Shares	2358	\$0	0	D	
Stock Option (Right to Buy)	\$43.125	8/13/2013		M		23170	(2)	2/6/2017	Ordinary Shares	23170	\$0	0	D	
Stock Option (Right to Buy)	\$39.00	8/13/2013		M		25276	(2)	2/14/2018	Ordinary Shares	25276	\$0	0	D	
Stock Option (Right to Buy)	\$16.85	8/13/2013		M		15000	(2)	2/11/2019	Ordinary Shares	15000	\$0	20000	D	

Explanation of Responses:

- (1) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (2) The options vest in three equal annual installments on the first, second and third anniversaries of the date of grant.

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-Fact8/14/2013

** Signature of Reporting Person

Date

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

* 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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure.

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