

Ingersoll-Rand plc
 Form 4
 October 27, 2009

FORM 4

**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, Section 17(a) of the Public Utility Holding Company Act of 1935 or Section 30(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person *
SMITH ORIN R

(Last) (First) (Middle)

**C/O INGERSOLL-RAND
 COMPANY, ONE CENTENNIAL
 AVENUE**

(Street)

PISCATAWAY, NJ 08855

(City) (State) (Zip)

2. Issuer Name and Ticker or Trading Symbol
Ingersoll-Rand plc [IR]

3. Date of Earliest Transaction
 (Month/Day/Year)
10/26/2009

4. If Amendment, Date Original Filed(Month/Day/Year)

5. Relationship of Reporting Person(s) to Issuer

(Check all applicable)

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

6. Individual or Joint/Group Filing(Check Applicable Line)
 Form filed by One Reporting Person
 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. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction 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 Ownership (Instr. 4)
				(A) or (D)	Price		
			Code	V	Amount		
Ordinary Shares	10/26/2009		M		4,500	A	\$ 23.31 39,334 D
Ordinary Shares	10/26/2009		S		4,500	D	\$ 33.98 34,834 D
Ordinary Shares (DDCP) (2)							44,845.67 D

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

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(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 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)	8. F. Derivative Securities (Instr. 3 and 4)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares
						Code	V	(A)	(D)
Stock Option (right to buy)	\$ 23.31	10/26/2009		M	4,500	<u>(3)</u>	05/02/2010	Ordinary Shares	4,500

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SMITH ORIN R C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855		X		

Signatures

Kenneth H. Yi -
Attorney-in-Fact

10/27/2009

__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) The reported price is the weighted average price for the transactions on October 26, 2009. The range of prices for the transactions is from \$33.98 to \$33.99 per share. Information regarding the number of shares purchased at each separate price will be provided upon request of the Securities and Exchange Commission, the issuer, or a security holder of the issuer.
- (2) Represents units acquired under the IR Director Deferred Compensation Plan (the "DDCP"), which are subject to the vesting provisions of the DDCP. The units are to be converted on a one-for-one basis and settled in Class A common shares upon the reporting person's termination of service as a director of the issuer, or earlier or later upon certain elections.

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- (3) The option vested in three equal annual installments on the first, second and third anniversaries of the date of grant.

Remarks:

On July 1, 2009, Ingersoll-Rand plc, an Irish public limited company (the "Company") became the successor of Ingersoll-Rand plc.

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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