

# FORM 4

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

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

### 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(f) 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)		
<b>MARTIN THEODORE E</b>			<b>Ingersoll-Rand plc [ IR ]</b>			<input checked="" type="checkbox"/> Director <input type="checkbox"/> 10% Owner		
(Last)	(First)	(Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)			<input type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below)		
<b>C/O INGERSOLL-RAND COMPANY, ONE CENTENNIAL AVENUE</b>			<b>3/4/2010</b>					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
<b>PISCATAWAY, NJ 08855</b>						<input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person		
(City)			(State)			(Zip)		

#### 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	3/4/2010		M		4500	A	\$23.31	18195	D	
Ordinary Shares	3/4/2010		S		4500	D	\$33.10 (1)	13695	D	
Ordinary Shares (DDCP) (2)								34620.84	D	
Ordinary Shares (DDCP II) (3)								22572.1	D	

#### 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	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Stock Option (right to buy)	\$23.31	3/4/2010		M		4500		(4)	5/2/2010	Ordinary Shares	4500	\$0.00	0	D	

#### Explanation of Responses:

- (1) The reported price is the weighted average price for the transactions on March 4, 2010. The range of prices for the transactions is from \$33.07 to \$33.14 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 vested units acquired or deferred under the IR Director Deferred Compensation Plan (the "DDCP"). The units are to be converted on a one-for-one basis and settled in shares upon the reporting person's termination of service as a director of the issuer, or earlier or later upon certain elections.
- (3) Represents vested units acquired or deferred under the IR Director Deferred Compensation Plan II (the "DDCP II"). The units are to be converted on a one-for-one basis and settled in shares upon the reporting person's termination of service as a director of the issuer, or

earlier or later upon certain elections.

(4) The options vested and became exercisable three years from 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 Company Limited, a Bermuda company ("IR-Bermuda"), pursuant to scheme of arrangement under Bermuda law, whereby each holder of IR-Bermuda Class A common shares outstanding prior to the effective time of the transaction received, on a one-for-one basis, new ordinary shares of the Company. This transaction did not alter the proportionate interests of the security holders.

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>MARTIN THEODORE E C/O INGERSOLL-RAND COMPANY  ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855</b>	<b>X</b>			

**Signatures**

/s/ Kenneth H. Yi - Attorney-in-Fact

3/8/2010

\*\* 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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