

MARTIN THEODORE E  
 Form 4  
 April 19, 2011

**FORM 4**

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

OMB APPROVAL

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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(h) of the Investment Company Act of 1940

(Print or Type Responses)

1. Name and Address of Reporting Person \*  
**MARTIN THEODORE E**

(Last) (First) (Middle)

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

(Street)

**PISCATAWAY, NJ 08854**

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
 (Month/Day/Year)  
**04/19/2011**

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)
			Code	V Amount (A) or (D) Price			
Ordinary Shares	04/19/2011		M	4,500 A \$ 23.22	18,195	D	
Ordinary Shares (DDCP) <sup>(1)</sup>					34,930.38	D	
Ordinary Shares (DDCP II) <sup>(2)</sup>					22,773.91	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)	\$ 23.22	04/19/2011		M	4,500	(3)	05/01/2011	Ordinary Shares	4,500

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
MARTIN THEODORE E C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08854		X		

## Signatures

/s/ Kenneth Yi -  
Attorney-in-Fact

04/19/2011

\_\_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) 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.

(2) 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.

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

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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