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)
Michel Gary S (Last) (First) (Middle)	**Ingersoll-Rand plc [IR]**	_____ Director _____ 10% Owner __ **X** __ Officer (give title below) _____ Other (specify below) **Senior Vice President**
C/O INGERSOLL-RAND COMPANY, 800-E BEATY ST (Street)	3. Date of Earliest Transaction (MM/DD/YYYY) **10/22/2013**	
DAVIDSON, NC 28036 (City) (State) (Zip)	4. If Amendment, Date Original Filed (MM/DD/YYYY)	6. Individual or Joint/Group Filing (Check Applicable Line) _ **X** _ 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. 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	**10/22/2013**		**M** (1)		**8225**	**A**	**$43.13**	**31235**	**D**	
Ordinary Shares	**10/22/2013**		**S** (1)		**8225**	**D**	**$68.05**	**23010**	**D**	
Ordinary Shares (2)								**5116.28**	**I**	**By Plan Trustee**
Ordinary Shares								**300**	**I**	**Trust for Child**

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)	**$43.13**	**10/22/2013**		**M** (1)			**8225**	**2/7/2010** (3)	**2/6/2017**	**Ordinary Shares**	**8225**	**$0**	**8225**	**D**	

Explanation of Responses:

(1) Transaction executed pursuant to a Rule 10b5-1 Plan adopted by the reporting person on July 31, 2013

(2) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.

(3) All options have fully vested and are exercisable.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Michel Gary S **C/O INGERSOLL-RAND COMPANY**			**Senior Vice President**	

800-E BEATY ST DAVIDSON, NC 28036				

Signatures

/s/ S. Wade Sheek - Attorney-in-Fact	**10/23/2013**
** 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.

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