

# 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**

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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(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>NACHTIGAL PATRICIA</b>		<b>Ingersoll-Rand plc [ IR ]</b>		<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) <b>Senior Vice President</b>	
(Last) (First) (Middle)	3. Date of Earliest Transaction (MM/DD/YYYY)				
<b>C/O INGERSOLL-RAND COMPANY,, ONE CENTENNIAL AVENUE</b>	<b>9/30/2010</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)			

**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)	
						Date Exercisable	Expiration Date	Title	Amount or Number of Shares					
<b>Phantom Stock Units (MIU Plan)</b>	<b>(I)</b>	<b>9/30/2010</b>		<b>A</b>	<b>50.96</b>		<b>(I)</b>	<b>(I)</b>	<b>Ordinary Shares</b>	<b>50.96</b>	<b>\$0.00</b>	<b>9721.94</b>	<b>D</b>	

**Explanation of Responses:**

(1) These Phantom Stock Units were acquired under the Ingersoll-Rand Company Management Incentive Unit Plan (the "MIU Plan") and, subject to the vesting provisions of the MIU Plan, are to be settled in cash after the reporting person's termination of employment with the issuer either over a 10-year period or as a lump sum on a date elected by the reporting person.

**Reporting Owners**

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>NACHTIGAL PATRICIA C/O INGERSOLL-RAND COMPANY, ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855</b>			<b>Senior Vice President</b>	

**Signatures**

**By: /s/ Kenneth H. Yi - Attorney-in-Fact**

**10/1/2010**

\*\* 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.

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.