

Katz Robert L  
 Form 4  
 February 16, 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 \*  
 Katz Robert L

(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)  
 02/14/2011

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)  
 Senior Vice President

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 Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
Ordinary Shares (Restricted Share Units) <sup>(1)</sup>	02/14/2011		A	3,169	A \$ 0 3,169	D	
2011-2013 Performance Share Units <sup>(2)</sup>	02/14/2011		A	6,338	A \$ 0 6,338	D	
2009 - 2011 Performance Share Units <sup>(3)</sup>						D	2,775

2010 - 2012  
 Performance 5,153 D  
 Share Units <sup>(4)</sup>

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

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**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. Amount or Number of Shares
Stock Option (Right to Buy)	\$ 47.34	02/14/2011		A	10,527	<sup>(5)</sup> 02/13/2021	Ordinary Shares	10,527

## Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
Katz Robert L C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08854			Senior Vice President	

## Signatures

/s/ Kenneth Yi - Attorney-in-Fact 02/16/2011

\*\*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) Restricted Share Units vest in three (3) equal annual installments beginning on the first anniversary of the date of grant. Upon vesting, each unit is convertible into one (1) ordinary share of the Issuer.

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- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the
- (2) initial target amount, will depend upon, among other things, the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2014.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the
- (3) initial target amount, will depend upon, among other things, the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2012.
- Represents target number of Performance Shares. The actual number of shares to be issued, which could range from zero to two times the
- (4) initial target amount, will depend upon, among other things, the Issuer's financial performance during the relevant performance period relative to peer companies in the S&P 500 Industrial Index. The shares, if any, will be issued in the first quarter of 2013.
- (5) The stock option vests in three (3) equal annual installments beginning on February 14, 2012.

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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