

HAGENLOCKER EDWARD E
 Form 4
 May 20, 2010

FORM 4 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, 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 *
 HAGENLOCKER EDWARD E

(Last) (First) (Middle)

C/O INGERSOLL-RAND
 COMPANY, ONE CENTENNIAL
 AVENUE

(Street)

PISCATAWAY, NJ 08855

(City) (State) (Zip)

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

3. Date of Earliest Transaction
 (Month/Day/Year)
 05/18/2010

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 Indirect Beneficial Ownership (Instr. 4)
				(A) or (D)	Price		
				Code	V	Amount	
Ordinary Shares	05/18/2010		M	A	10,368	\$ 21.22	18,629 D
Ordinary Shares	05/18/2010		M	A	820	\$ 22.57	19,449 D
Ordinary Shares						557.94	I TDCP (1)

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

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displays a currently valid OMB control number.

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)	\$ 21.22	05/18/2010		M	10,368	<u>(2)</u> 02/04/2014	Ordinary Shares	10,368
Stock Option (right to buy)	\$ 22.57	05/18/2010		M	820	<u>(3)</u> 02/01/2016	Ordinary Shares	820

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
HAGENLOCKER EDWARD E C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855	X			

Signatures

By: /s/ Kenneth Yi - Attorney-in-Fact
Date: 05/20/2010

__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).

- Represents units acquired under the Trane Deferred Compensation Plan ("TDCP"). The units are to be converted on a one-for-one basis and settled in ordinary shares of the Company, less applicable withholding taxes, upon the reporting person's termination of employment with the Company, or earlier or later upon certain elections.
- (1) and settled in ordinary shares of the Company, less applicable withholding taxes, upon the reporting person's termination of employment with the Company, or earlier or later upon certain elections.
 - (2) The option vested in three equal annual installments on the first, second and third anniversaries of the date of grant.
 - (3)

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The option, originally issued by Trane Inc., became fully vested and exercisable on June 5, 2008, the effective date of the merger between Trane Inc. and a wholly-owned subsidiary of Ingersoll-Rand Company Limited, the predecessor issuer to Ingersoll-Rand plc.

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, *see* Instruction 6 for procedure. Potential persons who are to respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB number.