

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,
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) | |
| LAMACH MICHAEL W | | Ingersoll-Rand plc [IR] | | <input checked="" type="checkbox"/> Director _____ 10% Owner <input checked="" type="checkbox"/> Officer (give title below) _____ Other (specify below) President and CEO | |
| (Last) (First) (Middle) | | 3. Date of Earliest Transaction (MM/DD/YYYY) | | | |
| C/O INGERSOLL-RAND COMPANY, ONE CENTENNIAL AVENUE | | 2/16/2010 | | | |
| (Street) | | 4. If Amendment, Date Original Filed (MM/DD/YYYY) | | 6. Individual or Joint/Group Filing (Check Applicable Line) | |
| PISCATAWAY, NJ 08855 | | | | <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) | | | | Price |
| 2010 - 2012 Performance Share Units ⁽¹⁾ | 2/16/2010 | | A | | 87048 | A | \$0.00 | 87048 | D | |
| Ordinary Shares (Restricted Share Units) ⁽²⁾ | | | | | | | | 8817 | D | |
| Ordinary Shares | | | | | | | | 16559 | D | |
| 2009 - 2010 Performance Share Units ⁽³⁾ | | | | | | | | 53429 | D | |
| 2009 - 2011 Performance Share Units ⁽⁴⁾ | | | | | | | | 53429 | D | |
| Ordinary Shares (EDCP II) ⁽⁵⁾ | | | | | | | | 44068.69 | D | |
| Ordinary Shares ⁽⁶⁾ | | | | | | | | 1453.41 | I | By Plan Trustee |

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) | \$31.59 | 2/16/2010 | | A | | 250000 | | (7) | 2/15/2020 | Ordinary Shares | 250000 | \$0.00 | 250000 | D | |

Explanation of Responses:

(1) Represents target number of Performance Shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to companies in the S&P 500 Industrial Index. The shares, if any, will be issued in February 2013.

- (2) Restricted Share Units vest in three equal annual installments beginning on the first anniversary of the date of grant.
- (3) Represents target number of Performance Shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to companies in the S&P 500 Industrial Index. The shares, if any, will be issued in February 2011.
- (4) Represents target number of Performance Shares. The actual number of shares to be issued, which could range from 0 to two times the initial target amount, will depend upon, among other things, the issuer's financial performance during the relevant performance period relative to companies in the S&P 500 Industrial Index. The shares, if any, will be issued in February 2012.
- (5) Represents vested units acquired or deferred under the IR Executive Deferred Compensation Plan II (the "EDCP II"). The units are to be converted on a one-for-one basis and settled in shares upon the reporting person's termination of employment with the issuer, or earlier or later upon certain elections.
- (6) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- (7) The options vest in three equal annual installments beginning on February 16, 2011.

Reporting Owners

| Reporting Owner Name / Address | Relationships | | | |
|---|---------------|-----------|-------------------|-------|
| | Director | 10% Owner | Officer | Other |
| LAMACH MICHAEL W C/O INGERSOLL-RAND COMPANY ONE CENTENNIAL AVENUE PISCATAWAY, NJ 08855 | X | | President and CEO | |

Signatures

/s/ Kenneth H. Yi - Attorney-in-Fact

2/18/2010

** 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.