

Weller Richard  
Form 4  
March 15, 2012

**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 \*  
Weller Richard

(Last) (First) (Middle)

C/O INGERSOLL-RAND  
COMPANY, 800-E BEATY  
STREET

(Street)

DAVIDSON, NC 28036

(City) (State) (Zip)

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

3. Date of Earliest Transaction  
(Month/Day/Year)  
03/13/2012

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)  
VP & Corporate Controller

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 Ownership (Instr. 4) |
|---------------------------------|--------------------------------------|--|--------------------------------|---|---|--|-----------------------------------|
|                                 |                                      |  |                                | (A) or (D)  | Price   |  |                                   |
|                                 |                                      |  |                                | Code  | V   | Amount   |                                   |

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

**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.**

SEC 1474  
(9-02)

**Table II - Derivative Securities Acquired, Disposed of, or Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)**

| 1. Title of Derivative | 2. Conversion | 3. Transaction Date (Month/Day/Year) | 3A. Deemed Execution Date, if | 4. Transaction of | 5. Number of Derivative | 6. Date Exercisable and Expiration Date | 7. Title and Amount of Underlying | 8. Price of Derivative |
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-------------------------|---|-----------------------------------|------------------------|
|------------------------|---------------|--------------------------------------|-------------------------------|-------------------|-------------------------|---|-----------------------------------|------------------------|

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| Security<br>(Instr. 3)    | or Exercise<br>Price of<br>Derivative<br>Security | any<br>(Month/Day/Year) | Code<br>(Instr. 8) | Securities<br>(Month/Day/Year)                                      |     | Securities<br>(Instr. 3 and 4) | Securities<br>(Instr. 3 and 4) | Securities<br>(Instr. 3 and 4) |                    |  |      |
|---------------------------|---|-------------------------|--------------------|---|-----|--------------------------------|--------------------------------|--------------------------------|--------------------|--|------|
|                           |   |                         |                    | Acquired<br>(A) or<br>Disposed of<br>(D)<br>(Instr. 3, 4,<br>and 5) |     |                                |                                |                                |                    |  |      |
| Phantom<br>Stock<br>Units | \$ 0  | 03/13/2012              | A                  | V   | (A) | (D)                            | Date<br>Exercisable            | Expiration<br>Date             | Title              | Amount<br>or<br>Number<br>of<br>Shares |      |
|                           |   |                         |                    |   |     |                                | (1)                            | (1)                            | Ordinary<br>Shares | 58.44                                  | \$ 0 |

## Reporting Owners

| Reporting Owner Name / Address   | Relationships |           |                           |       |
|--|---------------|-----------|---------------------------|-------|
|  | Director      | 10% Owner | Officer                   | Other |
| Weller Richard<br>C/O INGERSOLL-RAND COMPANY<br>800-E BEATY STREET<br>DAVIDSON, NC 28036 |               |           | VP & Corporate Controller |       |

## Signatures

/s/ S. Wade Sheek - 03/15/2012  
Attorney-in-Fact

\*\*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) These Phantom Stock Units are to be settled in cash equal to the fair market value of ordinary shares multiplied by the number of phantom stock units held upon the reporting person's termination of employment with the issuer.
- (2) Amount represents an approximate number of shares based on the total market value of the reporting person's Company stock fund units, as reported by the trustee of the Company supplemental compensation plans.

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.