Ingersoll-Rand plc Form 4 December 08, 2016

UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

OMB APPROVAL

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Estimated average burden hours per response...

Check this box if no longer subject to Section 16.

STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP OF **SECURITIES** Form 4 or

Form 5 Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934, obligations Section 17(a) of the Public Utility Holding Company Act of 1935 or Section may continue. 30(h) of the Investment Company Act of 1940 See Instruction

1(b).

(Print or Type Responses)

1. Name and Address of Reporting Person * 2. Issuer Name and Ticker or Trading 5. Relationship of Reporting Person(s) to Teirlinck Didier P Issuer Symbol Ingersoll-Rand plc [IR] (Check all applicable) (Last) (First) (Middle) 3. Date of Earliest Transaction (Month/Day/Year) Director 10% Owner X_ Officer (give title Other (specify C/O INGERSOLL-RAND 12/06/2016 below) COMPANY, 800-E BEATY EVP, Climate Segment **STREET** (Street) 4. If Amendment, Date Original 6. Individual or Joint/Group Filing(Check Filed(Month/Day/Year)

DAVIDSON, NC 28036

Applicable Line)

X Form filed by One Reporting Person Form filed by More than One Reporting

| (City) | (State) | (Zip) 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. Transactic Code (Instr. 8) | 4. Securionor Dispo (Instr. 3, | sed of 4 and (A) or | ` ' | 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) | | |
| Ordinary Shares | 12/06/2016 | | F | 6,014 | D | \$ 75.43 | 110,694.8 | D | | | |
| Ordinary Shares | 12/07/2016 | | S | 7,216 | D | \$ 75.8919 | 103,478.8 | D | | | |
| Ordinary Shares (2) | | | | | | | 4.1931 | I | By Plan Trustee | | |

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

Persons who respond to the collection of SEC 1474 information contained in this form are not (9-02)

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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 | 2. | 3. Transaction Date | 3A. Deemed | 4. | 5. | 6. Date Exerc | cisable and | 7. Titl | le and | 8. Price of | 9. Nu |
|-------------|-------------|---------------------|--------------------|-------------|------------|---------------|-------------|---------|-------------|-------------|--------|
| Derivative | Conversion | (Month/Day/Year) | Execution Date, if | Transaction | orNumber | Expiration D | ate | Amou | ınt of | Derivative | Deriv |
| Security | or Exercise | | any | Code | of | (Month/Day/ | Year) | Under | rlying | Security | Secui |
| (Instr. 3) | Price of | | (Month/Day/Year) | (Instr. 8) | Derivative | e | | Secur | ities | (Instr. 5) | Bene |
| | Derivative | | | | Securities | | | (Instr. | . 3 and 4) | | Own |
| | Security | | | | Acquired | | | | | | Follo |
| | | | | | (A) or | | | | | | Repo |
| | | | | | Disposed | | | | | | Trans |
| | | | | | of (D) | | | | | | (Instr |
| | | | | | (Instr. 3, | | | | | | |
| | | | | | 4, and 5) | | | | | | |
| | | | | | | | | | | | |
| | | | | | | | | | Amount | | |
| | | | | | | Date | Expiration | T:41- | or Namel | | |
| | | | | | | Exercisable | Date | Title | Number | | |
| | | | | C-1- V | (A) (D) | | | | of | | |
| | | | | Code v | (A) (D) | | | | Shares | | |

Reporting Owners

| Reporting Owner Name / Address | Keiauonsnips | | | | | | |
|--|--------------|-----------|----------------------------|-------|--|--|--|
| | Director | 10% Owner | Officer | Other | | | |
| Teirlinck Didier P C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036 | | | EVP, Climate Segment | | | | |

Signatures

/s/ Sara Walden Brown -Attorney-in-Fact

12/08/2016

Date

**Signature of Reporting Person

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).
- This transaction was executed in multiple trades ranging from \$75.89 to \$75.892 per share. The price reported above reflects the weighted (1) average purchase price. The reporting person hereby undertakes to provide upon request to the SEC staff, the issuer, or a security holder of the issuer full information regarding the number of shares and prices at which the transactions were effected.
- (2) Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.

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.

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