

## INITIAL STATEMENT OF BENEFICIAL OWNERSHIP OF SECURITIES

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <b>Arnold Kirk E</b>  (Last) (First) (Middle)	2. Date of Event Requiring Statement (MM/DD/YYYY) <b>2/6/2018</b>	3. Issuer Name and Ticker or Trading Symbol <b>Ingersoll-Rand plc [IR]</b>
<b>C/O INGERSOLL-RAND COMPANY, 800-E BEATY STREET</b>  (Street)	4. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director <input type="checkbox"/> Officer (give title below) <input type="checkbox"/> 10% Owner <input type="checkbox"/> Other (specify below)	5. If Amendment, Date Original Filed (MM/DD/YYYY)
<b>DAVIDSON, NC 28036</b>  (City) (State) (Zip)	6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person <input type="checkbox"/> Form filed by More than One Reporting Person	

### Table I - Non-Derivative Securities Beneficially Owned

1. Title of Security (Instr. 4)	2. Amount of Securities Beneficially Owned (Instr. 4)	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nature of Indirect Beneficial Ownership (Instr. 5)
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### Table II - Derivative Securities Beneficially Owned ( e.g. , puts, calls, warrants, options, convertible securities)

1. Title of Derivate Security (Instr. 4)	2. Date Exercisable and Expiration Date (MM/DD/YYYY)		3. Title and Amount of Securities Underlying Derivative Security (Instr. 4)		4. Conversion or Exercise Price of Derivative Security	5. Ownership Form of Derivative Security: Direct (D) or Indirect (I) (Instr. 5)	6. Nature of Indirect Beneficial Ownership (Instr. 5)
	Date Exercisable	Expiration Date	Title	Amount or Number of Shares			

#### Explanation of Responses:

No securities are beneficially owned.

#### Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
<b>Arnold Kirk E C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036</b>	<b>X</b>			

#### Signatures

/s/ Sara Walden Brown, Attorney in Fact

2/6/2018

\*\*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 5(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.

**POWER OF ATTORNEY**

**KNOW ALL MEN BY THESE PRESENTS that the**

undersigned hereby constitutes and appoints Maria C. Green, Evan M. Turtz and Sara Walden Brown, and each of them severally, the undersigned's true and lawful attorneys and agents, with power to act with or without the other, to execute and file with the Securities and Exchange Commission, on behalf of the undersigned, a Form ID Uniform Application for Access Codes To File On Edgar, any forms required to be filed by the undersigned pursuant to Rule 144 under the Securities Act of 1933 or pursuant to regulations under Section 16 of the Securities Exchange Act of 1934 in connection with transactions engaged in or to be engaged in by the undersigned in securities of Ingersoll-Rand Public Limited Company, a company formed in Ireland, and any and all amendments to such forms, and any and all instruments or documents filed as a part of or in connection with such forms and amendments; and the undersigned hereby ratifies and confirms all that said attorneys and agents and each of them shall do or cause to be done by virtue hereof. This Power of Attorney shall remain in effect until revoked or modified.

IN WITNESS WHEREOF the undersigned has subscribed these presents this 27th day of November, 2017.

*/s/ Kirk E. Arnold*  
*Kirk E. Arnold*