

FORM 4

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

OMB APPROVAL
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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 or
Section 30(h) 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)		
SULTANA KEITH A			Ingersoll-Rand plc [IR]			<input type="checkbox"/> Director <input type="checkbox"/> 10% Owner <input checked="" type="checkbox"/> Officer (give title below) <input type="checkbox"/> Other (specify below) Senior Vice President		
(Last) (First) (Middle)			3. Date of Earliest Transaction (MM/DD/YYYY)					
C/O INGERSOLL-RAND COMPANY, 800-E BEATY STREET			2/22/2018					
(Street)			4. If Amendment, Date Original Filed (MM/DD/YYYY)			6. Individual or Joint/Group Filing (Check Applicable Line)		
DAVIDSON, NC 28036						<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			
Ordinary Shares	2/22/2018		A		221.4594 (1)	A	\$90.31	11896.74	D	
Ordinary Shares	7/26/2018		M		1659	A	\$67.055	13555.74	D	
Ordinary Shares	7/26/2018		M		3402	A	\$50.0025	16957.74	D	
Ordinary Shares	7/26/2018		M		3743	A	\$80.205	20700.74	D	
Ordinary Shares	7/26/2018		S		8804	D	\$98.43 (2)	11896.74	D	
Ordinary Shares (3)								13681.9523	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				
Ordinary Shares	\$67.055	7/26/2018		M		1659		(4)	2/2/2025	Ordinary Shares	1659.0	\$0	0	D	
Ordinary Shares	\$50.0025	7/26/2018		M		3402		(5)	2/9/2026	Ordinary Shares	3402.0	\$0	3402	D	
Ordinary Shares	\$80.205	7/26/2018		M		3743		(6)	2/6/2027	Ordinary Shares	3743.0	\$0	7486	D	

Explanation of Responses:

- The transaction relates to the deferral of compensation by the reporting person into the Executive Deferred Compensation Plan.
- This transaction was executed in multiple trades ranging from \$98.42 to \$98.49 per share. The price reported above reflects the weighted 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.
- Latest available information provided by the trustee of the Ingersoll-Rand Employee Savings Plan.
- The option vests in three (3) annual installments beginning on February 3, 2016.
- The option vests in three (3) annual installments beginning on February 10, 2017.
- The option vests in three (3) annual installments beginning on February 7, 2018.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
SULTANA KEITH A				

C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036			Senior Vice President	
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Signatures

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

7/30/2018

**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 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.