

FORM 4

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 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)	
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) Chairman and CEO	
(Last) (First) (Middle)		3. Date of Earliest Transaction (MM/DD/YYYY)			
C/O INGERSOLL-RAND COMPANY, 800-E BEATY STREET		1/2/2018			
(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	1/2/2018		M		65351	A	\$37.742	271652.5262	D	
Ordinary Shares	1/2/2018		M		103806	A	\$32.43	375458.5262	D	
Ordinary Shares	1/2/2018		M		41351	A	\$32.46	416809.5262	D	
Ordinary Shares	1/2/2018		S		65351 (1)	D	\$88.2817 (2)	351458.5262	D	
Ordinary Shares	1/2/2018		S		103806 (1)	D	\$88.2817 (2)	247652.5262	D	
Ordinary Shares	1/2/2018		S		41351 (1)	D	\$88.2817 (2)	206301.5262	D	
Ordinary Shares (3)								2137.5993	I	By Plan Trustee
Ordinary Shares (GRAT)								82372	I	By grantor retained annuity trust

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)	\$37.742	1/2/2018		M		65351		(4)	2/13/2021	Ordinary Shares	65351.0	\$0	0	D	
Stock Option (Right to Buy)	\$32.43	1/2/2018		M		103806		(5)	2/23/2022	Ordinary Shares	103806.0	\$0	0	D	
Stock Option (Right to Buy)	\$32.46	1/2/2018		M		41351		(5)	2/23/2022	Ordinary Shares	41351.0	\$0	0	D	

Explanation of Responses:

- Transaction executed pursuant to a Rule 10b5-1 Plan adopted by the reporting person on July 31, 2017.
- This transaction was executed in multiple trades ranging from \$87.84 to \$89.73 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 stock option vests in three (3) equal installments beginning on February 14, 2012.
- The stock option vests in three (3) equal installments beginning on February 24, 2013.

Reporting Owners

Reporting Owner Name / Address	Relationships			
	Director	10% Owner	Officer	Other
LAMACH MICHAEL W C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036	X		Chairman and CEO	

Signatures/s/ Sara Walden Brown - Attorney-in-Fact1/4/2018

**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.

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