INITIAL STATEMENT OF 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 <u>*</u> Regnery David S			2. Date of Event Requiring Statement(Month/Day/Year)	3. Issuer Name and Ticker or Trading Symbol Ingersoll-Rand plc [IR]				
(Last)	(First)	(Middle)	09/05/2017	4. Relationship of Reporting Person(s) to Issuer		5. If Amendment, Date Original Filed(Month/Day/Year)		
C/O INGER COMPANY STREET	_			(Check all applicable)				
	(Street)			.e		w)	6. Individual or Joint/Group Filing(Check Applicable Line) _X_ Form filed by One Reporting	
DAVIDSON, NC 28036						Person Form filed by More than One Reporting Person		
(City)	(State)	(Zip)	Table I -	Non-Deriva	tive Securiti	es Bei	neficially Owned	
1.Title of Secur (Instr. 4)	ity		2. Amount Beneficially (Instr. 4)	of Securities v Owned	3. Ownership Form: Direct (D) or Indirect (I) (Instr. 5)	4. Nat Owne (Instr.	1	
Ordinary Sha	ares		23,953.14	73	D	Â		
Reminder: Repo owned directly of			ch class of securities benefi	cially	SEC 1473 (7-02)		
	Perso inform	ns who resp nation conta	oond to the collection o ained in this form are no nd unless the form disr	t				

Table II - Derivative Securities Beneficially Owned (e.g., puts, calls, warrants, options, convertible securities)

currently valid OMB control number.

1. Title of Derivative Security	2. Date Exercisable and	3. Title and Amount of	4.	5.	6. Nature of Indirect
(Instr. 4)	Expiration Date	Securities Underlying	Conversion	Ownership	Beneficial Ownership
	(Month/Day/Year)	Derivative Security	or Exercise	Form of	(Instr. 5)
		(Instr. 4)	Price of	Derivative	
			Derivative	Security:	

3235-0104

January 31,

2005

0.5

Expires:

response...

Estimated average burden hours per

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	Date Exercisable	Expiration Date	Title	Amount or Number of Shares	Security	Direct (D) or Indirect (I) (Instr. 5)	
Stock Option (Right to Buy)	(1)	02/21/2023	Ordinary Shares	11,045	\$ 41.9062	D	Â
Stock Option (Right to Buy)	(2)	02/09/2026	Ordinary Shares	22,960	\$ 50.0025	D	Â
Stock Option (Right to Buy)	(1)	02/24/2024	Ordinary Shares	11,422	\$ 59.825	D	Â
Stock Option (Right to Buy)	(1)	02/13/2021	Ordinary Shares	3,068	\$ 37.7116	D	Â
Stock Option (Right to Buy)	(<u>3)</u>	02/06/2027	Ordinary Shares	17,539	\$ 80.205	D	Â
Stock Option (Right to Buy)	(1)	02/23/2022	Ordinary Shares	7,613	\$ 32.4256	D	Â
Stock Option (Right to Buy)	(1)	02/15/2020	Ordinary Shares	12,098	\$ 25.2192	D	Â
Stock Option (Right to Buy)	(1)	02/23/2022	Ordinary Shares	3,032	\$ 32.4643	D	Â
Stock Option (Right to Buy)	(1)	02/13/2021	Ordinary Shares	4,889	\$ 37.742	D	Â
Stock Option (Right to Buy)	(4)	02/02/2025	Ordinary Shares	13,710	\$ 67.055	D	Â

Reporting Owners

Reporting Owner Name / Address	Relationships				
r of the second s	Director	10% Owner	Officer	Other	
Regnery David S C/O INGERSOLL-RAND COMPANY 800-E BEATY STREET DAVIDSON, NC 28036	Â	Â	Executive Vice President	Â	
Signatures					
/s/ Sara Walden Brown - Attorney-in-Fact	09/11/20	17			
**Signature of Reporting Person	Date				

Explanation of Responses:

* 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).

(1) All options have fully vested and are exercisable.

(2) The stock option vests in three (3) annual installments beginning on February 10, 2017.

Reporting Owners

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(3) The stock option vests in three (3) annual installments beginning on February 7, 2018.

(4) The stock option vests in three (3) annual installments beginning on February 3, 2016.

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.