

Ingersoll-Rand plc  
 Form 144  
 March 02, 2010

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

OMB APPROVAL

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FORM 144  
 NOTICE OF PROPOSED SALE OF SECURITIES  
 PURSUANT TO RULE 144 UNDER THE SECURITIES ACT OF 1933

SEC USE ONLY

DOCUMENT SEQUENCE  
 NO.

ATTENTION: Transmit for filing 3 copies of this form concurrently with either placing an order with a broker to execute sale or executing a sale directly with a market maker.

CUSIP NUMBER

1 (a) NAME OF ISSUER (please type or print)	(b) IRS IDENT. NO	(C) S.E.C. FILE NO.	WORK LOCATION
Ingersoll-Rand plc	98-0626632	001-34400	
1 (d) ADDRESS OF ISSUER	STREETCITY	STATE	ZIP CODE (e) TELEPHONE NO.
170/175 Lakeview Drive, Airside Business Park, Swords, Co.	Dublin	Ireland	AREA NUMBER CODE 18707400 +(353)(0)
2 (a) NAME OF PERSON FOR WHOSE ACCOUNT THE SECURITIES ARE TO BE SOLD	(b) RELATIONSHIP TO ISSUER	(c) ADDRESS STREET STATE ZIP CODE	CITY
Herbert L. Henkel	Director	170/175 Lakeview Drive, Airside Business Park, Swords, Co. Dublin	Ireland

INSTRUCTION: The person filing this notice should contact the issuer to obtain the I.R.S. Identification Number and the S.E.C. File Number.

3 (a)	(b)	SEC USE ONLY (c)	(d)	(e)	(f)	(g)	
Title of the Class of Securities To Be Sold	Name and Address of Each Broker Through Whom the Securities are to be Offered or Each Market Maker who is Acquiring the Securities	Broker-Dealer File Number	Number of Shares or Other Units To Be Sold (See instr. 3(c))	Aggregate Market Value (See instr. 3(d))	Number of Shares or Other Units Outstanding (See instr. 3(e))	Approximate Date of Sale (See instr. 3(f)) (MO. DAY YR.)	Name of Each Securities Exchange (See instr. 3(g))
			50,000	\$1,595,500	321,072,029	03/02/10	NYSE

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Ordinary Morgan Stanley Smith  
Shares Barney, LLC  
485 Lexington Avenue,  
11th Floor  
New York, New York  
10017

(as of February (as of  
26, 2010) February 18,  
2010)

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 control number.

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TABLE I - SECURITIES TO BE SOLD

Furnish the following information with respect to the acquisition of the securities to be sold and with respect to the payment of all or any part of the purchase price or other consideration therefor:

Title of the Class	Date you Acquired	Nature of Acquisition Transaction	Name of Person from Whom Acquired (If gift, also give date donor acquired)	Amount of Securities Acquired	Date of Payment	Nature of Payment
Ordinary Shares	03/02/2010	Exercise of Stock Options	Ingersoll-Rand plc	50,000	03/02/2010	Cash

INSTRUCTIONS: If the securities were purchased and full payment therefor was not made in cash at the time of purchase, explain in the table or in a note thereto the nature of the consideration given. If the consideration consisted of any note or other obligation, or if payment was made in installments describe the arrangement and state when the note or other obligation was discharged in full or the last installment paid.

TABLE II - SECURITIES SOLD DURING THE PAST 3 MONTHS

Furnish the following information as to all securities of the issuer sold during the past 3 months by the person for whose account the securities are to be sold.

Name and Address of Seller	Title of Securities Sold	Date of Sale	Amount of Securities Sold	Gross Proceeds
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REMARKS:

INSTRUCTIONS: See the definition of "person" in paragraph (a) of Rule 144. Information is to be given not only as to the person for whose account the securities are to be sold but also as to all other persons included in that definition. In addition, information shall be given as to sales by all persons whose sales are required by paragraph (e) of Rule 144 to be aggregated with sales for the account of the person filing this notice.

ATTENTION: The person for whose account the securities to which this notice relates are to be sold hereby represents by signing this notice that he does not know any material adverse information in regard to the current and prospective operations of the Issuer of the securities to be sold which has not been publicly disclosed. If each person has adopted a written trading plan or given trading instructions to satisfy Rule 10b5-1 under the Exchange Act, by signing the form and indicating the date that the plan was adopted or the instruction given, that person makes such representation as of the plan adoption or instruction date.

03/02/2010  
DATE OF NOTICE

/s/ Kenneth H. Yi – Attorney-in-Fact

(SIGNATURE)

DATE OF PLAN ADOPTION OR GIVING OF INSTRUCTION, IF RELYING ON RULE 10B5-1

The notice shall be signed by the person for whose account the securities are to be sold. At least one copy of the notice shall be manually signed. Any copies not manually signed shall bear typed or printed

signatures.

ATTENTION: Intentional misstatements or omission of facts constitute Federal Criminal Violations (See 18 U.S.C. 1001)

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