Ingersoll-Rand plc Form 8-K April 25, 2018

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

FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15 (d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported) - April 25, 2018

INGERSOLL-RAND PUBLIC LIMITED COMPANY (Exact name of registrant as specified in its charter)

Ireland001-3440098-0626632(State or other jurisdiction(Commission (I.R.S. Employer
File Number) Identification No.)

170/175 Lakeview Drive Airside Business Park Swords, Co. Dublin Ireland (Address of principal executive offices, including zip code)

+(353)(0)18707400 (Registrant's phone number, including area code)

N/A (Former name or former address, if changed since last report)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the

registrant under any of the following provisions:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

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o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (17 CFR §230.405) or Rule 12b-2 of the Securities Exchange Act of 1934 (17 CFR §240.12b-2):

Emerging growth company o

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. o

Item 2.02. Results of Operations and Financial Condition

On April 25, 2018, Ingersoll-Rand plc issued a press release announcing its first quarter 2018 results. The information in this Form 8-K and the exhibit attached hereto shall not be deemed "filed" for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, or otherwise subject to the liabilities under that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act of 1933, as amended, except as shall be expressly set forth by specific reference.

Item 9.01. Financial Statements and Exhibits

(d) Exhibits. Exhibit No.Description

99.1 Press Release of Ingersoll-Rand plc dated April 25, 2018.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the Registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized. INGERSOLL-RAND PLC

(Registrant)

Date: April 25, 2018 /s/ Susan K. Carter Susan K. Carter, Senior Vice President and Chief Financial Officer EXHIBIT INDEX Exhibit No. Description

99.1 Press Release of Ingersoll-Rand plc dated April 25, 2018.