UNITED STATES
SECURITIES AND EXCHANGE COMMISSION

WASHINGTON, D.C. 20549
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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): August 9, 2010

Emerson Electric Co.

(Exact Name of Registrant as Specified in Charter)

Missouri	1-278	43-0259330
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(State or Other Jurisdiction of Incorporation)	(Commission File Number)	(I.R.S. Employer Identification Number)

8000 West Florissant Avenue St. Louis, Missouri	63136
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(Address of Principal Executive Offices)	(Zip Code)

Registrant's telephone number, including area code:

(314) 553-2000

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

Item 5.02 Departure of Directors or Certain Officers; Election of Directors; Appointment of Certain Officers; Compensatory Arrangements of Certain Officers.

On August 9, 2010, Sir Robert Horton informed Emerson Electric Co. that, for personal reasons, he does not wish to stand for reelection as a director. Sir Robert Horton will continue to serve as a director through the date of the Company's next Annual Meeting of Stockholders, February 1, 2011.

SIGNATURE

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.

EMERSON ELECTRIC CO.
(Registrant)

Date: August 31, 2010

By: /s/ Timothy G. Westman

Timothy G. Westman
Vice President, Associate General Counsel
and Assistant Secretary