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

**POST-EFFECTIVE AMENDMENT NO. 1 TO
FORM S-8
REGISTRATION STATEMENT
Under
THE SECURITIES ACT OF 1933**

EMERSON ELECTRIC CO.
(Exact name of registrant as specified in its charter)

MISSOURI
(State or other jurisdiction of
incorporation or organization)

43-0259330
(I.R.S. Employer
Identification No.)

**8000 West Florissant Ave.
St. Louis, Missouri 63136**
(Address, including zip code, of registrant's principal executive offices)

ISE PROFIT SHARING RETIREMENT PLAN
(Full title of the Plan)

Timothy G. Westman
Vice President, Associate General Counsel and Assistant Secretary
Emerson Electric Co.
8000 West Florissant Avenue
St. Louis, Missouri 63136
(314) 553-3822
(Name, address, including zip code, and telephone number,
including area code, of agent for service)

This Post-Effective Amendment No. 1 relates to the Registration Statement on Form S-8 (File No. 333-118592) (the "Registration Statement") of Emerson Electric Co. (the "Registrant"), which was filed with the Securities and Exchange Commission on August 27, 2004. The Registration Statement registered 500,000 additional shares of the Registrant's common stock, \$0.50 par value per share ("Common Stock"), the related preferred stock purchase rights and an indeterminate amount of interests which were to be offered and sold to eligible employees pursuant to the ISE Profit Sharing Retirement Plan (the "Plan").

Effective as of January 1, 2007, the Plan was amended and the assets held by the Plan were transferred to other employee benefit plans sponsored by the Registrant. In accordance with an undertaking made by the Registrant in the Registration Statement to remove from registration, by means of a post-effective amendment, any securities of the Registrant which remain unsold at the termination of the offering, the Registrant is filing this Post-Effective Amendment No. 1 to deregister the 1,407,154 shares of Common Stock, the related preferred stock purchase rights and the plan interests which remained unsold as of January 1, 2007.

SIGNATURES

The Registrant. Pursuant to the requirements of the Securities Act of 1933, the Registrant certifies that it has reasonable grounds to believe that it meets all the requirements for filing on Form S-8 and has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the County of St. Louis, State of Missouri on January 29, 2007.

EMERSON ELECTRIC CO.

/s/ Timothy G. Westman

Name: Timothy G. Westman.

Title: Vice President, Associate General Counsel and
Assistant Secretary

The Plan. Pursuant to the requirements of the Securities Act of 1933, the Plan has duly caused this Registration Statement to be signed on its behalf by the undersigned, thereunto duly authorized, in the County of St. Louis, State of Missouri, on January 29, 2007.

ISE PROFIT SHARING RETIREMENT PLAN

/s/ Jan L. Bansch

Name: Jan L. Bansch

Title: Plan Administrator