

FORM 4

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

OMB APPROVAL

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STATEMENT OF CHANGES IN BENEFICIAL OWNERSHIP

Check this box if no longer subject to Section 16. Form 4 or Form 5 obligations may continue. See Instruction 1(b).

Filed pursuant to Section 16(a) of the Securities Exchange Act of 1934 or Section 30(h) of the Investment Company Act of 1940

1. Name and Address of Reporting Person * <u>GALVIN WALTER J</u>  (Last) (First) (Middle) <u>C/O EMERSON ELECTRIC CO.</u> <u>8000 W. FLORISSANT AVE.</u>  (Street) <u>ST. LOUIS</u> <u>MO</u> <u>63136</u>  (City) (State) (Zip)	2. Issuer Name and Ticker or Trading Symbol <u>EMERSON ELECTRIC CO [ EMR ]</u>  3. Date of Earliest Transaction (Month/Day/Year) <u>10/04/2010</u>  4. If Amendment, Date of Original Filed (Month/Day/Year)	5. Relationship of Reporting Person(s) to Issuer (Check all applicable)  <input checked="" type="checkbox"/> Director 10% Owner <input checked="" type="checkbox"/> Officer (give title below) Other (specify below)  <u>Vice Chairman</u>  6. Individual or Joint/Group Filing (Check Applicable Line)  <input checked="" type="checkbox"/> Form filed by One Reporting Person  Form filed by More than One Reporting Person
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Table I - Non-Derivative Securities Acquired, Disposed of, or Beneficially Owned

1. Title of Security (Instr. 3)	2. Transaction Date (Month/Day/Year)	2A. Deemed Execution Date, if any (Month/Day/Year)	3. Transaction Code (Instr. 8)		4. Securities Acquired (A) or Disposed Of (D) (Instr. 3, 4 and 5)			5. Amount of Securities Beneficially Owned Following Reported Transaction(s) (Instr. 3 and 4)	6. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	7. Nature of Indirect Beneficial Ownership (Instr. 4)
			Code	V	Amount	(A) or (D)	Price			
Common Stock	10/04/2010		F <sup>(1)</sup>		8,490	D	\$53.31	319,061	D	
Common Stock								19,204	I	Spouse
Common Stock								214,000	I	JGM Investors, LP <sup>(2)</sup>
Common Stock								3,226	I	Trust - Daughter Megan <sup>(3)</sup>
Common Stock								3,226	I	Trust - Son Jeff <sup>(3)</sup>
Common Stock								16,599.664	I	401(k) plan
Common Stock								10,742.397	I	401(k) excess plan

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

1. Title of Derivative Security (Instr. 3)	2. Conversion or Exercise Price of Derivative Security	3. Transaction Date (Month/Day/Year)	3A. Deemed Execution Date, if any (Month/Day/Year)	4. Transaction Code (Instr. 8)		5. Number of Derivative Securities Acquired (A) or Disposed of (D) (Instr. 3, 4 and 5)		6. Date Exercisable and Expiration Date (Month/Day/Year)		7. Title and Amount of Securities Underlying Derivative Security (Instr. 3 and 4)		8. Price of Derivative Security (Instr. 5)	9. Number of derivative Securities Beneficially Owned Following Reported Transaction(s) (Instr. 4)	10. Ownership Form: Direct (D) or Indirect (I) (Instr. 4)	11. Nature of Indirect Beneficial Ownership (Instr. 4)
				Code	V	(A)	(D)	Date Exercisable	Expiration Date	Title	Amount or Number of Shares				
Employee Stock option (Right to Buy)	\$53.31	10/04/2010		A <sup>(4)</sup>			125,000 <sup>(4)</sup>	10/04/2011 <sup>(5)</sup>	10/04/2020	Common Stock	125,000	<sup>(6)</sup>	125,000	D	

Explanation of Responses:

1. Shares withheld for taxes upon vesting of previously-reported stock grant under shareholder approved benefit plan exempt pursuant to Rule 16b-3.
2. JGM Investors, LP is a limited partnership of which The Galvin Family Trust and the Reporting Person's spouse are the general partners. The Galvin Family Trust is the controlling general partner of JGM Investors, LP. The Reporting Person's children are the trustees of The Galvin Family Trust and the Reporting Person's spouse and children are the beneficiaries. The Galvin Family Trust has a 99.9% limited partnership interest in JGM Investors, LP. The Reporting Person disclaims beneficial ownership in the shares held by JGM Investors, LP that are beneficially owned by his children.
3. The Reporting Person disclaims beneficial ownership.
4. Grant of stock options under shareholder approved benefit plan exempt pursuant to Rule 16b-3(d).
5. The options become exercisable in three equal annual installments beginning on the date indicated.
6. Price is not applicable to stock options received as incentive compensation.

Remarks:

/s/ Timothy G. Westman, Attorney-in-Fact for Walter J. Galvin 10/06/2010

\*\* Signature of Reporting Person Date

Reminder: Report on a separate line for each class of securities beneficially owned directly or indirectly.

\* If the form is filed by more than one reporting person, see Instruction 4 (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).

Note: File three copies of this Form, one of which must be manually signed. If space is insufficient, see Instruction 6 for procedure.

Persons who respond to the collection of information contained in this form are not required to respond unless the form displays a currently valid OMB Number.