



# EMCO AVR EE-301M

## Features :

- Digital Readout for PT Supply and Deadband Setting
- Modular Design
- Solid State Circuitry
- Self Test Facility
- LED Indicators for Raise, Lower pre-signal and Undervoltage and Relay operation conditions
- Separate Nominal value and Bandwidth settings
- Continuously adjustable Time Delay setting
- Automatic resetting after Voltage correction
- Re-integration following each step correction
- Single pulse operation of control relay
- Undervoltage Alarm contacts with internal Blocking

## Technical Specifications

Auxiliary Supply	: 110/230V AC $\pm$ 15%, 50Hz, 15VA	Control operation	: Single pulse operation with approx. 2 sec. on time
PT Supply	: 110V AC, 50Hz, 1.5VA and readable on Display	Panel Cutout	: 330 x 135 x (HxW) mm
Nominal Value Setting (NVA)	: Adjustable between 110V $\pm$ 10% and readable on display	Overall Dimensions	: 378 x 146 x 260 (HxWxD) mm
Lower Volts Setting	: Adjustable between 0.5V to 5V above the NVA and readable on display	Operating Temp.	: 0°C - 45°C
Raise Volts Setting	: Adjustable between 0.5V to 5V below the NVA and readable on display	Weight	: 5Kgs. (approx.)
Time Delay Setting	: Fixed (Voltage independent) Time Delay adjustable from 10 to 120 sec.	Options	: 1. Line Drop Compensator with resistive and reactive compensation of either polarity upto 20% and suitable for operation with 1A, 5VA Current Transformer
Time Delay Resetting	: Instantaneous resetting with Voltage returning to deadband		2. Normally closed Auxiliary Supply Fail Relay contacts
Undervoltage Blocking	: Internal Blocking at 80% of regulated value and restoration at 85%		3. Normally open Control Fail Relay Alarm contacts in case of Control Failure (i.e. in case of continuous 'L' or 'R' indication for more than 15 minutes)
Control Relays	: One pair of normally open potential free contacts of rating 5A at 240V AC or 24V DC for each Lower, Raise and Undervoltage control Relays		4. User defined settings for P.T. Supply, Time delay and Undervoltage Blocking

Product specifications are subject to change without notice.

## EMCO ELECTRONICS

(An ISO 9001:2008 Mfg. Co.)



**H.O.** : 302, Vasan Udyog Bhavan, Senapati Bapat Marg, Opp. Phoenix mill, Lower Parel (W), Mumbai-400013.  
 ■Tel.: +91-22-2490 2283 / 2492 3183. ■Fax : +91-22-2495 1024. ■E-mail : [office@emcoelectronics.org](mailto:office@emcoelectronics.org)

**Factory** : 13, Kedarnath, Tungareshwar Indl. Complex No. 1, Satali, Vasai (E), Dist - Thane. 401 208.  
 ■Tel.: +91-250-2481 783 / 804, +91-250-6480 114 ■Fax : +91-250-2481 087.  
 ■E-mail : [mumbai@emcoelectronics.org](mailto:mumbai@emcoelectronics.org)

**South** : 15, Wood Street, (1<sup>st</sup> floor), Richmond Road, Bangalore – 560 025.  
 ■Tel.: +91-80-2557 0215. ■Fax : +91-80-2556 6066. ■E-mail : [emcobl@bgl.vsnl.net.in](mailto:emcobl@bgl.vsnl.net.in)

