



3204 Rocky River Road, Heath Springs, SC 29058  
Phone: 888-286-8614 Fax: 800-286-6063

## **Electric Brake Controller**

10 Amps

Model EBC1000-00 Chassis

Model EBC1000-E0 Nema 4/12 Encl.

### **General Description**

The Carotron Model EBC1000 is a precision electric brake controller which provides two preset current levels over a wide range of input voltages. When the unit is energized, the first preset value provides a high current surge to pull in the open armature and energize the brake. After a time delay (typically 0.5 to 3 seconds), the controller automatically shifts to a lower value of hold-in current for continuous operation at greatly reduced power dissipation. Because the power supply is current-regulated, the selected level will not vary over the rated voltage range. Innovative design techniques have made the EBC1000 easily adaptable to a wide range of brake products. These rugged industrial features are combined with Carotron's traditional engineered quality, resulting in a brake controller possessing the highest level of performance.

### **Standard Features**

- Start sequence initiated by a single dry-circuit contact closure.
- Line transient suppression on control input and brake coil output.
- IC regulated power supplies, metal film resistors and cermet potentiometers for stable operation under varying temperature and line voltage conditions
- Terminal strips provide easy connections  
Fused: Power circuit @ 15 amps
- Oversized power handling components
- Compact dead front chassis design



### **Electrical Specifications**

#### **A.C. Power Input**

230/460 VAC  $\pm$  10%, 1 PH, 50/60 Hz

#### **D.C. Output (Maximum)**

200/400 VDC, 10A max. for 230/460 VAC input

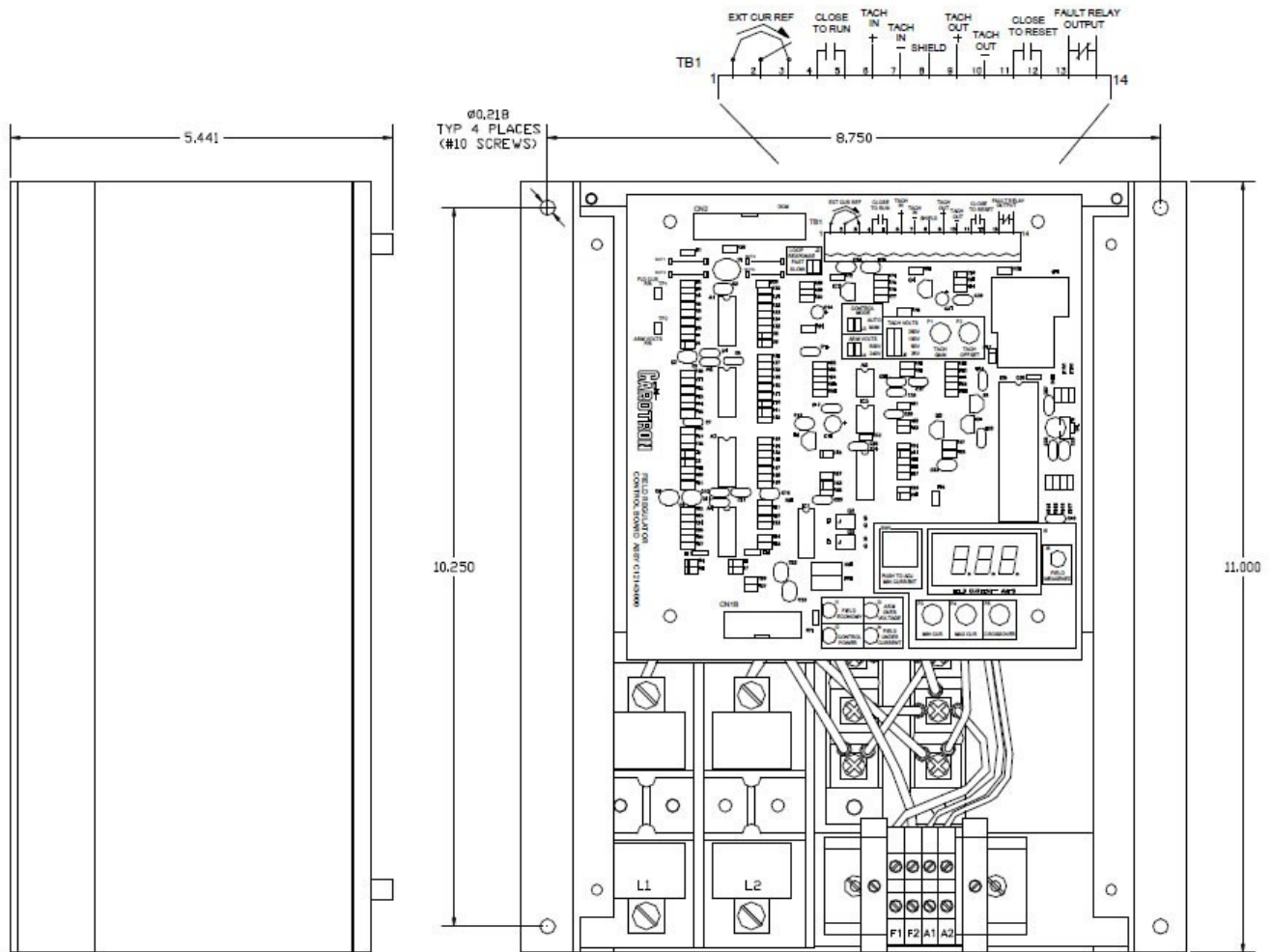
#### **Current Presets (2) for 230VAC Input**

Pull-in: 0-10ADC max. @ 0-200/400VDC

Hold-in: 0-10ADC max. @ 0-200/400VDC

#### **Time Delay before Hold-in Transition**

0.3 – 3.0 Sec



## ***Electric Brake Controller***

**Chassis: EBC1000-00 11.00”H x 9.50W x 5.44”D**

**Nema 4/12 Enclosed: EBC1000-E0 20.00”H x 16.00W x 10.00”D**

Shipping Weight: Chassis - 10 lbs. Enclosed – 35 lbs.

View or download the complete Brake Controller Instruction Manual (MAN1049-0A) from [www.carotron.com](http://www.carotron.com).



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