

# USER MANUAL



*Built Better to Last Longer*

**ELECTRIC  
WARM AIR FURNACE  
MODELS - SE10B (E) TO SE27B (E)**  
Save these instructions for reference

This furnace must be installed by a certified installer and where required by law, a licenced technician.

**FOR SERVICE CALL:**

INSTALLATION INFORMATION	
_____	_____
Installing Contractor	Telephone Number
_____	_____
Unit Model Number	Unit Serial Number
_____	
Date of Installation	

MANUFACTURED BY  
TRENT METALS LIMITED,  
SUMMERAIRE MANUFACTURING

## **OPERATING SEQUENCE**

### **HEATING**

When the thermostat initiates the heating cycle the first and second sequencer turn on in sequence, the remaining sequencer relays are activated. The on delay time is determined by the sequencer relay model. The blower starts at heating at the same time as the first element turns on. The indicator lights display cycle activity.

### **COOLING**

When the thermostat activates the air conditioning cycle. The blower starts at high, cooling speed, and the A/C condenser is activated.

**WARNING;FAILURE TO FOLLOW PROPER PROCEDURE MAY RESULT IN SERIOUS HARM OR DEATH.**

### **MANUAL CONTROLS**

The POWER option and CONTINUOUS FAN switches are located on the furnace upper panel.

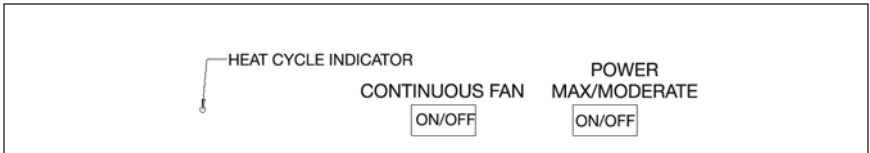
When the POWER switch is set to “MAX”, all heating elements are operational. When the POWER switch is set to “MODERATE”, the furnace operates at reduced heating capacity. This option, moderate power output option, is best suited to spring and fall conditions or periods of low heat demands.

REMEMBER, during the winter months, this switch should be in the “ON” position to insure maximum heating capacity.

The POWER switch must be set in the “MAX” position when a 2 – stage thermostat or outdoor thermostat is installed and used to control the electric elements of the second stage.

The “CONTINUOUS FAN” switch turns the blower on to continuous “LOW” speed. This feature will filter the air and provide for better distribution in the building.

### Manual Furnace Controls



### CIRCUIT BREAKER

The circuit breaker is located at the right hand side of the front control panel. In the event of fan motor failure, the circuit breaker may trip.

Pushing in the white button will reset the breaker. If the button fails to remain depressed, the fault condition may still exist.

Contact your service technician.

## MAINTENANCE



### RISK OF ELECTRIC SHOCK

TURN OFF all power before servicing unit.

If the power is NOT turned OFF, it can result in property damage, bodily injury or loss of life

## PREVENTATIVE MAINTENANCE

Frequent servicing will avoid premature breakdowns. The heating system should be inspected at least annually by a qualified service technician.

Do not attempt to repair the unit or its controls! Call a qualified service technician.

Before calling for repair service, check the following:

1. Check fuses or circuit breaker
2. Check if the 16 amp circuit breaker on the furnace has “tripped”
3. Set the thermostat higher than room temperature. If unit does not start, cut power and call a qualified service technician.

## MOTOR LUBRICATION

Do NOT lubricate the blower motor; it is permanently lubricated!

## AIR FILTER

This furnace should never be operated without filters.

**A DIRTY AIR FILTER CAUSES INEFFICIENCY AND HIGHER OPERATING COSTS**

Clean or replace filters each heating season !

Filter specifications for the air filter installed in your Summeraire electric warm air furnace, are listed below. DO NOT SUBSTITUTE !

Filter size : 20 “ X 20 “ x 1 “ – CSA or ULC Certified /Approved  
Type: Disposable

**Note: Changing the type or size of filter used in your Summeraire furnace can seriously affect the operation of the furnace!**

## **WARRANTY**

Summaire Mfg., subject to the limitations described in this Warranty Certificate, warrants each electric warm air furnace as follows.

1 ) All electric controls are warranted for a period of five ( 5 ) years from date of sale.

2 ) Elements are warranted for a period of 5 years from date of sale.

Model number; serial number and date of installation must be provided for all warranty claims.

The foregoing Warranty applies only where the installation of the electric furnace has been made in full accordance with all National and Local laws and ordinances applying to the installation of electric warm air furnaces, and failure is not caused by abuse, or failure to observe proper operating instructions supplied with this furnace.

Warranty extends only to the repair or replacement of parts returned, freight prepaid to our factory in Peterborough, Ontario, and which prove defective after inspection and testing by Summaire Mfg..

Any labour involved in effecting repair or replacement, including diagnostic labour is excluded from this Warranty.

Warranty of parts replaced under this warranty ONLY assume the remaining period of the Original Warranty.

## **LIMITATIONS**

- 1) This warranty does not cover defects or damages on equipment without serial number or where the serial number has been erased or modified.
- 2) This warranty does not apply to damage to the product caused by misuse, failure to provide proper maintenance, accidents, Acts of God or inadequate electric supply.
- 3) This warranty does not apply to air filters or any other materials which must be replaced in the course of routine maintenance.
- 4) The operation of this furnace in the presence of corrosive elements such as acids, chlorine, fluorine, or other damaging chemicals voids this warranty.
- 5) Unauthorized alteration or repair of this appliance affecting product reliability or performance voids this warranty.
- 6) This product must be installed by a competent, qualified installer in accor-

dance with Summaire Installation Instructions, applicable local and National Codes. Failure to do so voids this warranty.

- 7) This warranty applies ONLY to the original homeowner / purchaser.
- 8) This warranty does not include damages caused by improper matching or application the product or product's components.
- 9) This warranty is subject to the equipment being serviced and maintained, as outlined in the Installation and User Manuals on an annual basis. Failure to do so may void this warranty.
- 10) Summaire Mfg. shall not be responsible for any consequential damages caused by any defect in the product.
- 11) This is the ONLY warranty made by Summaire Mfg. All other warranties, conditions or guaranties, expressed or implied are hereby excluded.

Keep your warranty at work for you. Please complete and mail your warranty Registration Card to **Trent Metals Limited, 2040 Fisher Drive, Peterborough, Ontario, Canada, K9J 6X6** to register this warranty.

Manufactured By  
Trent Metals Limited,  
Summaire Manufacturing  
Peterborough, Ontario,  
Canada, K9J 6X6.