Made in USA

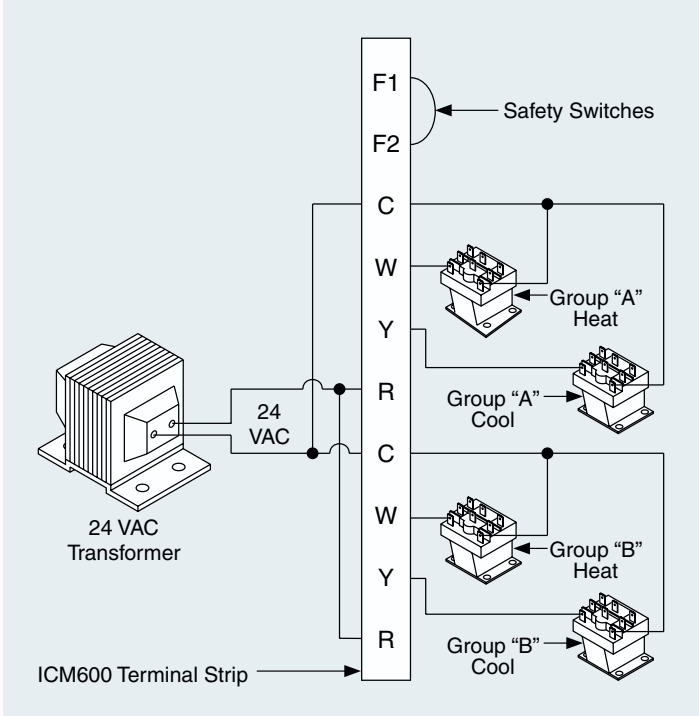
# ICM600
# Lead Lag Controller

## *Microprocessor controlled regulation for one or two heating/cooling systems*


## Features

- **True, dual stage control**
- **Built-in thermostat**
  - **Adjustable setpoint**
  - **Adjustable deadband**
  - **Adjustable sequencer period**
- **Regulates 1 or 2 heating/cooling systems**
- **Compact housing**
- **Safety system halon contacts**
- **Memory on power loss**
- **Accelerated test mode**
- **Isolated inputs**
- **Built-in anti-short cycle delays**
- **Status LEDs**
- **Manual advance switch**

## Wiring Diagram




## Specifications

**Output**

- 18 to 30 VAC
- 2 amps maximum
- ***Frequency:*** 50/60 Hz
- ***Power Consumption:*** 2 watts maximum/lockout

**Adjustable Thermostat Features**

- ***Setpoint:*** 55°F to 90°F
- ***Deadband:*** 2°F to 20°F
- ***Sequencer:*** 1 to 28 days

## Mode of Operation

The **ICM600** Temperature Controller is an all solid-state device that regulates one or two heating/cooling systems to provide a stable temperature. If connected to two units, the **ICM600** can be set to periodically swap the lead unit after a period of time (1 to 28 days) to ensure equal usage and maximum life for each unit. In the event a single unit cannot meet the heating or cooling demand, the other unit is brought online as second stage. Integral short-cycle delays of three minutes for the first stage and four minutes for the second stage are provided to ensure adequate refrigerant pressure equalization before restarting the compressor.

Two user-adjustable controls are provided, one to set the desired temperature (55°F to 90°F) and the other to set the "deadband." Deadband is the temperature range in which neither heating nor cooling is necessary. The deadband is adjustable from 2°F to 20°F.

The controller, if used to regulate two units, will isolate the transformer of one unit from the transformer of the other unit. The unit can also be used for a single transformer system.

If power is interrupted to the units, the controller will "remember" which unit is operating when power is brought back on line. This will enable the sequence of operation to continue and not recycle.





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