

# DIGI3UE UNIVERSAL 3-ZONE CONTROLLER

## SUBMITTAL



## **DIGI3UE** **Universal Gas Electric/Heat Pump 3-Zone** **Controller**

### DESCRIPTION

The DIGI3UE is a microprocessor based, auto changeover 1H/1C GE or 2H/1C HP system controller. The DIGI3UE supports up to three zones utilizing pressure dependent, two position motorized dampers. Mode management is vote initiated, based upon first called first served, with an opposite mode caller to initiate a changeover sequence. Upon a thermostat call for the opposite mode, a fifteen-minute cycle timer is initiated in an attempt to satisfy current mode callers. Upon time completion, a successive three-minute purge cycle is initiated prior to mode changeover.

The DIGI3UEL uses a LAT sensor to control leaving air temperature and protect coil from freezing, heat exchanger from overheating or high limits from being exceeded on the heat pump.

The DIGI3UE can be field configured for either GE or HP operation. By moving the Jumper for GE/HP, controller is reset for desired operation. If controller will control a B mode system, the O/B jumper will need to be placed in the B position.

Emergency heat is controlled through the EM switch that is located on controller. If desired, a switch may be installed in the house and wired back to controller. This allows homeowner to place a call for Emergency heat from the house.

### TECHNICAL DATA

#### **Electrical:**

**Supply Voltage:** 24vac

**Power consumption:** 3.0 VA

#### **Inputs:**

- Digital leaving air temperature sensor
- 3- digital / mechanical gas / electric thermostats (DIGI3U uses GE thermostats for GE and HP applications)

#### **Outputs:**

- 4- SPST dry contacts, 2A @ 24vac

#### **Environmental:**

**Operating temperature:** 32 to 160° F (0 to 71° C)

**Operating humidity:** 10-95%, non-condensing

**Storage temperature:** 0 to 160° F (-18 to 71° C)

#### **General:**

**Dimensions:** 7 1/2" H x 10 1/2" W x 1 1/2" D

**Enclosure:** Galvanized steel

#### **Terminal Functions**

R 24 volt in

C 24 volt common

Y Compressor

W/OB Heat or Reversing valve

W2 Auxiliary heat

G Fan

### ORDERING INFORMATION

| <b>Part No.</b> | <b>Description</b>                                   |
|-----------------|--|
| DIGI3UE         | Universal 3-zone controller                          |
| DIGI3UEL        | Universal 3-zone controller with LAT sensor included |

Rev 9/10/10