

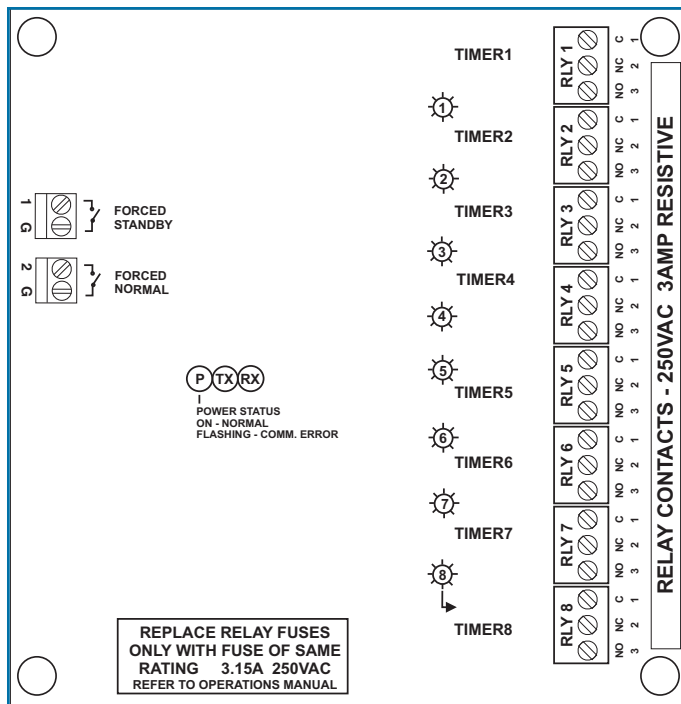
# Wizard

## Gang Defrost Clock



**Master Gang Defrost Timer and Stager  
For Up To 8 *Wizards* (WT-8R)**

The **Wizard Timer with Eight Relays (WT-8R)** is an ETL tested control designed to help and improve operation of up to eight Wizard Defrost Controls.



The **WT-8R** can either act as a multiple system defrost termination control or as a “Master unit” to stage multiple Wizard defrost controls to defrost and shut off at a scheduled or a forced time either all together or staggered. Each relay output is wired to each units Defrost input and in the case of the Wizard, each defrost is set to zero. This way, only the **WT-8R** defrost settings will operate. Once the Defrost time is over, the control will re-activate each unit either all together or staggered, removing the problem of spike voltages due to all of the controls activating at the same time. The control can defrost up to 8 times per day, per zone either at the same time or staggered.

The **WT-8R** has a scheduled “Standby” mode that will occur at the same time and duration every day set by the user. The **WT-8R** will stage each unit to shut off at the scheduled or a forced time either all together or staggered. Once the standby time is over, the control will re-activate each system. The timer ON DELAY and OFF DELAY for all eight controls can be staggered for up to twenty minutes from the time STANDBY begins and ends.

The **WT-8R** can be forced into Standby by either the “FORCE STANDBY” Menu or remotely by using a switch connected to the Forced Standby input. The

control also has the option of disabling STANDBY on Saturday and Sunday.

There are two dry contact inputs. One is a FORCED NORMAL, to force the control out of standby mode and one FORCED STANDBY, to force the control into standby mode. The FORCE NORMAL input takes precedence if both are shorted.

The WT-8R can be connected to GENCOM software for Windows for Remote Communication and GENCOM 3000 Supervisory System to access the control remotely.

## CONTROL SYSTEM

### Control

Microprocessor based, Program logic stored within non-volatile EPROM memory. Set points and system configuration stored within EEPROM. Logged Data stored within Battery Backed Memory chip, minimum of 10 years storage life. Menu driven controls with all operating sequences and control algorithms included. All programmable options are installed via a “Yes” or “No” question.

### Keypad

Front panel accessible with 5 tactile key switches. Key assignments -- UP, DOWN, SELECT/CHANGE, EXIT, START/ADVANCE.

### Display

2 x 20 character LCD Back Lighted Display. Eight control status lights.

### Power

Input -- 100-250 VAC, 50/60 HZ, 2.5 Amp.

### Housing

Metal Cabinet, NEMA 1, Enclosure  
 Opt.1 - Metal Cabinet, NEMA 1, Door Mountable  
 Opt. 2 - Metal Cabinet, NEMA 4, Enclosure, Locked Handle

## INPUTS

One Dry Contact FORCED STANDBY input  
 One Dry Contact FORCED NORMAL input

## OUTPUTS

### Control Relays

All Relay Outputs are 1 Form C SPDT rated for 250 VAC and 3 Amp per circuit Each relay circuit is fused with a 3.15 Amp slow blow fuse on the common leg.

All inputs use un-pluggable screw terminals. All outputs use screw terminals.