

SERVICE AND APPLICATION NOTES

January 21, 2013

Time / Temperature Defrost Control 100269-XX Field Test Mode

AFFECTED CONTROL

All versions of the defrost control 100269-XX (-01 through -05)

FIELD ACTIONS

The **TEST** mode is activated by removing the jumper on the timing pins (**30**, **60** or **90**) and placing the jumper on the **TEST** pins after 24VAC is applied to the control. The low pressure input is ignored in **TEST** mode.

⚠ IMPORTANT

The **TEST** pins are ignored and the **TEST** function is locked out:

- If the jumper is applied on the **TEST** pin before 24VAC is applied to the control.
- If there is a jumper on the 30 or 60 minute timing pins.

Bypass-Anti-Short Cycle Delay

The **Y1** input must be active **ON**, the high pressure switch must be closed or a jumper must be installed on the high pressure terminals of the control.

Initiate a Force Defrost

The **Y1** input must be active **ON**, the high pressure switch must be closed or a jumper must be installed on the high pressure terminals of the control, the defrost thermostat must be closed or a jumper must be placed across the **DF** terminals on the control and the **O** terminals must not have 24VAC (no power to reversing valve) before control will enter into a force defrost.

Test Mode Sequence

Using the timing pins, short the **TEST** pins for a period of two seconds:

- Clear timed lockout / or pressure switch lockout function.
- Enter defrost mode

After entering force defrost, if the jumper is removed before 5 seconds has elapsed, the unit will remain in forced defrost mode until defrost thermostat opens or terminated on maximum defrost time (14 minutes). If the jumper is not removed, once 5 seconds has elapsed (7 seconds total), the unit will terminate defrost and return to heat mode. The **TEST** mode will then be locked-out and no further **TEST** mode operation will be executed until the jumper on the **TEST** pins is removed and re-applied to the applicable defrost termination pins.

⚠ IMPORTANT

NOTE - After testing has been completed, properly reposition test jumper across desired timing pins.

