



ICM304 DEFROST TIMER – AF1013

- Rating: 1 amp @ 30 VAC

- Form: SPST, normally open

- Rating: 10 amps @ 250 VAC

- Form: SPST, normally open

- Rating: 20 amps @ 240 VAC

SPECIFICATIONS

Input

Voltage: 18-30 VAC
Frequency: 50-60 Hz

• Power Consumption: 1 watt maximum

Time Delays

• **Defrost:** Fixed at 10 minutes (+/- 5%)

• Interval Between Defrost: Pin selectable

(30/60/90 minutes)

Random Start Time: 0-5 seconds
 Anti-Short Cycle Time: 3 minutes

Test Mode: Speeds up operation by 256 times only.

ENTER To enter test mode, short test pins with shunt from timing pins. Make sure system is Test Mode: running in heat & verify DFT is closed. If DFT is not closed, temporarily short it with a jumper wire. Remove 24 VAC power (from R terminal) for 1 second then reapply.

Output

• CC, RVS: - Type: Triac

• W: - Type: Relay

• Fan: - Type: Relay

EXIT Replace shunt on timing pins. Remove 24 VAC power (from R terminal) for

Test Mode: 1-second then reapply.

TEST MODE TIMES

| Compressor Run Times | |
|--|-------------------------|
| Actual Interval Time | Equivalent Test Time |
| 30 minutes fixed | 7.03 seconds |
| 60 minutes fixed | 14.06 seconds |
| 90 minutes fixed (default with no shunt) | 21.09 seconds |

| Defrost Time | |
|------------------|--------------|
| Actual | Equivalent |
| Defrost Time | Test Time |
| 10 minutes fixed | 2.34 seconds |

WIRING DIAGRAM Line Voltage √Fan Fan Reversing Y/R\ RVS Contactor Jumper placement with no pressure switches Pressure Switch APS Pressure TPS Defrost Thermostat DFT Defrost Relay Input 24 VAC T-STAT