## TD Series Time Delays

### Standard Features / Specifications
- Three styles available: Delay on Make, Delay on Break & By – Pass
- Fixed or adjustable delay ranges
- Initiate timer in 70 milliseconds
- Broad input voltage range (Pilot Circuit)
  19 to 250 VAC/VDC, 50/60 Hz (TD60)
  19 to 250 VAC ONLY, 50/60 Hz (TD70)
- Maximum load 1.0 amp, 10 amp inrush
- Varying models work with or without anticipator type thermostats
- Terminal or wire connections available

- Operating Temperature Range 0°F to 160° F (-18°C to 71°C)
- Compact Size  2" x 2" x .075" (5.08 x 5.08 x 1.9 cm)
- Non positional single hole mounting
- All parameters are subject to change as per special requirements
- By – pass a control or device during start up
- Helps to reduce power surges in multiple compressor applications

### General Applications
- Protection from short cycling of compressor
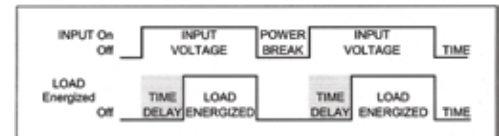- Ideal for compressor staging

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### TD60 Series
### Delay on Make Timers (DOM)

#### Mode of Operation
- Upon application of power the time delay initiates. On completion of selected delay period, the load is energized. Timer will reset on power interruption or when thermostat disconnects.

#### Timing Diagram



| PART NO. | DELAY RANGE ADJUSTABLE | DELAY RANGE FIXED (min) | CONNECTIONS | REPLACES |
|---|---|---|---|---|
| TD68** | 6 sec to 8 min | n/a | 2  1/4" male terminals | Diversitech AC-800-ADM1 / ICM 105 / A-1 706 / Mars 32391 |
| TD69* | 6 sec to 8 min | n/a | 2  1/4" male terminals | Diversitech AC-800-ADM1 / ICM 102 / A-1 701 / Mars 32391 |
| TD69W* | 6 sec to 8 min | n/a | 2  6" long wire leads | |

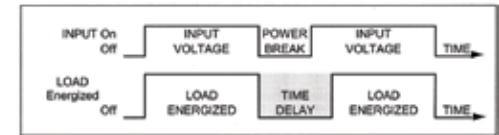*Cut the jumper to use in 120/240 volts.   **The TD68 is not for use with a cooling anticipator.

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### TD70 Series
### Delay on Break Timers (DOB)

#### Mode of Operation
- Upon application of power the load is energized immediately. When the thermostat opens or on power interruption the load is de-energized and the time delay initiates. The load will be energized again after the delay time has elapsed.

#### Timing Diagram



| PART NO. | DELAY RANGE ADJUSTABLE | DELAY RANGE FIXED (min) | CONNECTIONS | REPLACES |
|---|---|---|---|---|
| TD72** | 6 sec to 5 min | n/a | 2 1/4" male terminals | Diversitech ASC500-ADB1 / ICM203 /  Mars 32392 / A-1 EAC-501-ADJ |
| TD73* | 6 sec to 5 min | n/a | 2 1/4" male terminals | Diversitech ASC500-ADB1 / ICM203 /  Mars 32392 / A-1 EAC-501-ADJ |
| TD73W* | 6 sec to 5 min | n/a | 2  6" long wire leads | |

*Cut the jumper to use in 120/240 volts.   **The TD72 is not for use with a cooling anticipator.