ABB

Section 5
Dedicated Timers

Note: DIN Rail Mounting Product pages are not included in this catalog.
Go to: www.ssac.com/sg5.pdf
Click on the Product Name
(ie: CT-SDS) to open the catalog page.
[Adobe Acrobat Reader is required]

5

Single Function

Sequencer

Dual Function

HVAC Timers

Vending Timers

Star Delta Motor Starting

Gross Automation (877) 268-3700 · www.ssacsales.com · sales@grossautomation.com

Random Start or Anti-Short Cycle
TAC1 Series Delay on Make
HVAC/R Timer

5

CE

TEN YEAR WARRANTY 10

- UL Approved for Air Conditioning & Refrigeration Equipment
- Fixed or Adjustable Delays From 0.05 ... 600 s
- 24 ... 230 V AC, 50 ... 60 Hz
- Fail-safe Design Eliminates Contactor Chatter Problems
- +/-2% Repeat Accuracy

Approvals: **UL** **CSA**

Accessories

B

A

External adjust potentiometer P/N:
P1004-XX (fig A)
P1004-XX-X (fig B)

Mounting bracket P/N: **P1023-6**

Female quick connect P/N:
P1015-64 (AWG 14/16)

Quick connect to screw adaptor P/N: **P1015-18**

Versa-knob P/N: **P0700-7**

Plug-on adjustment module P/N: **VTP(X)(X)**

For Illustration

DIN rail P/Ns:
C103PM (Al)
017322005 (Steel)

DIN rail adaptor P/N: **P1023-20**

See accessory pages for specifications.

Description
The TAC1 Series was designed to delay the operation of a compressor relay. It eliminates the possibility of relay chatter due to half-wave failure of the output. It connects in series with the load relay coil and provides a delay on make time delay each time input voltage is applied. It can be used for random start, anti-short cycling, sequencing, and many other applications. It is an excellent choice for all air conditioning and refrigeration equipment.

Operation
Upon application of input voltage, the time delay begins. The output is de-energized before and during the time delay. At the end of the time delay, the output energizes and remains energized until input voltage is removed.
Reset: Removing input voltage resets the time delay and output.

Function

Delay On Make
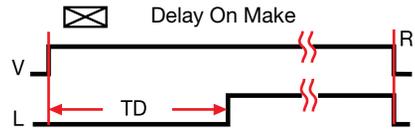
V = Voltage   TD = Time Delay   R = Reset
L = Load   ─╫─ = Undefined time

Connection
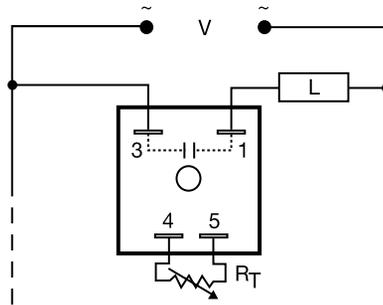
Load may be connected to terminals 3 or 1.
R_T is used when external adjustment is ordered.

Ordering Table

TAC1	X		X		X
Series	**Input**		**Adjustment**		**Time Delay** *
	2 - 24 V AC		**1** - Fixed		**1** - 0.05 ... 3 s
	4 - 120 V AC		**2** - External Adjust		**2** - 0.5 ... 60 s
	6 - 230 V AC				**3** - 2 ... 180 s
					4 - 5 ... 600 s

*If Fixed Delay is selected, insert delay [**0.05** ... **600**] in seconds.

Example P/N: TAC1221   Fixed – **TAC141300**

Random Start or Anti-Short Cycle
TAC1 Series Delay on Make
HVAC/R Timer

5

Technical Data

Time Delay	
Type	Analog circuitry
Range	0.05 ... 600 s in 4 adjustable ranges or fixed
Repeat Accuracy	+/-2%
Tolerance (Factory Calibration)	+/-20%
Recycle Time	≤ 20 ms after timing, during timing--0.1% of time delay or 75 ms, whichever is greater
Time Delay vs. Temperature & Voltage	≤ +/-10%
Input	
Voltage	24, 120, or 230 V AC
Tolerance	+/-20%
Line Frequency	50 ... 60 Hz
Output	
Type	Solid state
Form	Normally Open, open during timing
Rating	0.5 A steady state, 10 A inrush at 60°C
Voltage Drop	120 & 230 V AC: ≅ 4.2 V at 0.5 A
	24 V AC: ≅ 2.5 V at 0.5 A
Protection	
Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-40°C ... +80°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)

R_T Selection Chart

Desired Time Delay*				R_T
Seconds				
1	2	3	4	Megohm
0.05	0.5	2	5	0.0
0.5	10	30	60	0.5
1.0	20	60	120	1.0
1.5	30	90	180	1.5
2.0	40	120	240	2.0
2.5	50	150	300	2.5
3.0	60	180	360	3.0
			420	3.5
			480	4.0
			540	4.5
			600	5.0

* When selecting an external R_T add at least 30% for tolerance of unit and the R_T.
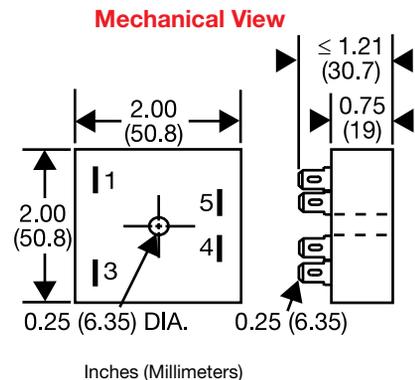
Adjustment Options - Accessories

Time Delay	VTP P/N	Fig. A P/N	Fig. B P/N
1 – 0.05 ... 3 s	VTP4B	P1004-12	P1004-12-X
2 – 0.5 ... 60 s	VTP4F	P1004-12	P1004-12-X
3 – 2 ... 180 s	VTP4J	P1004-12	P1004-12-X
4 – 5 ... 600 s	VTP5N	P1004-13	P1004-13-X

Mechanical View

Inches (Millimeters)

TAC12B01   01.05.05

Lockout With Random Start
T2D Series
HVAC/R Timer

Patent 5809793

TEN YEAR WARRANTY **10**

5

- Lockout Delay--Prevents Rapid Recycling of Compressor
- Random Start Delay-- Helps Prevent Low Voltage Starting
- Delay on Make Timer-- Optional Two Terminal Series Connection
- Totally Solid State 1 A Output
- 24 V AC ... 230 V AC in 2 Ranges

Approvals: UL CSA

Description
The T2D Series provides protection against short cycling of compressors and other motors. At the end of each operation, a lockout delay prevents restarting the compressor or motor until the delay is completed. 24 V AC models can be used with thermostats that include a cooling anticipator resistor. Can be connected in series with the load for delay on make operation.

Operation
Connection #1: Upon application of input voltage, a random start time delay begins. At the end of this time delay, the output is energized. **Lockout Delay:** Input voltage must be applied prior to and during timing. When the thermostat or initiate switch opens, the output de-energizes and the lockout time delay begins. At the end of the lockout delay, the output is energized allowing the load to immediately energize when the initiate switch or thermostat closes.

Connection #2: Upon application of input voltage and closure of initiate switch, the time delay begins. At the end of the time delay, the output is energized and remains energized until power is removed.

Reset: Removing power resets the output and the time delay.

Connection

1
Random Start Plus Lockout

2
Delay On Make
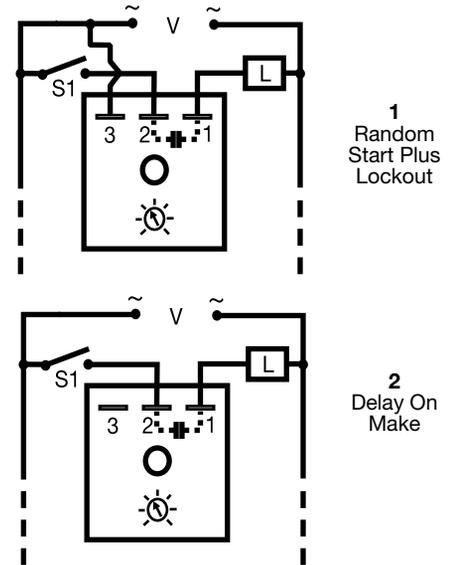
Dashed lines are internal connections.

V = Voltage   L = Load
S1 = Initiate Switch or Thermostat
E = Ready   R = Reset
TD = Time Delay

Function

Connection Diagram #1

Connection Diagram #2

Accessories

Female quick connect
P/N: **P1015-64** (AWG 14/16)

Quick connect to screw adaptor
P/N: **P1015-18**

Mounting bracket
P/N: **P1023-6**

DIN rail P/Ns:
017322005 (Steel)
C103PM (Al)

DIN rail adaptor
P/N: **P1023-20**

See accessory pages for specifications.
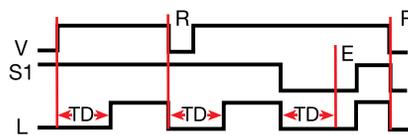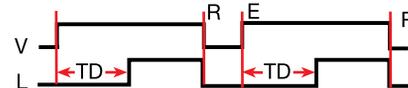
Ordering Table

T2D Series	**X** Input	**X** Adjustment	**X** Time Delay *
	24A - 24 V AC	**1** - Fixed	**1** - 1 ... 100 s
	120A - 120/230 V AC	**2** - Knob Adjustable	**2** - 10 ... 1000 s
			3 - 0.1 ... 10 m
			4 - 1 ... 100 m

*If Fixed Delay is selected, insert delay [**1** ... **1000**] followed by (**S**) sec. or [**0.1** ...**100**] (**M**) min.

Example P/N: **T2D24A23**   Fixed – **T2D120A1180S**

Lockout With Random Start
T2D Series
HVAC/R Timer

Technical Data

Input	
Voltage	24 V AC, or 120/230 V AC in 2 ranges
Tolerance	+/-20%
Frequency	50 ... 60 Hz
Output	
Minimum Load Current	24 V AC--100 mA; 120/230 V AC--40 mA
Rating	1 A steady state, 10 A inrush at 60°C
Voltage Drop	≅ 2.5 V at 1 A
Time Delay	
Initiate Time	After timing--16 ms
Type	Analog circuitry
Lockout & Random Start Delays	1 s ... 100 m in 4 adjustable ranges or fixed
	Note: The lockout & random start delays are the same length.
Tolerance	Adjustable: +/-30%; Factory Fixed: +/-30%
Repeat Accuracy	+/-1% or 20 ms, whichever is greater
Reset Time	After timing--≤ 16 ms; During timing--≤ 200 ms
Protection	
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-20°C ... +60°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)
Cooling Anticipator (24 V AC Units Only)	
Minimum Cooling Anticipator	≥ 3,000 Ω

5

Mechanical View

Inches (Millimeters)

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Bypass Timer
TAC4 Series (Interval)
HVAC/R Timer

CE

45-11

SOLID STATE   TIME DELAY

.5 AMP MAX — INPUT VOLTAGE
LOAD
1   2   3
MADE IN USA

TEN YEAR **10** WARRANTY
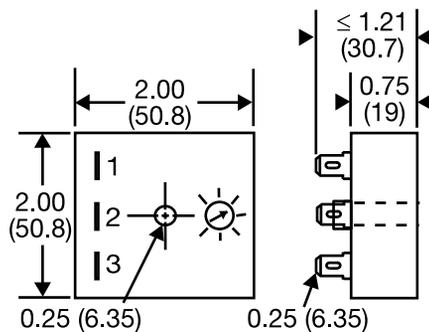
5

- UL Approved for Air Conditioning & Refrigeration Equipment
- Delays from 0.05 ... 300 s
- 24, 120, or 230 V AC
- Redundant Circuitry Eliminates Chatter Problems

Approvals: **RU** **SR**

Description

The TAC4 is a bypass timer that provides a closure across the low pressure switch during compressor star-tup. Its time delay circuit is totally solid state including the normally closed output. The molded housing with encapsulation, the single hole mounting, and 0.25 in. (6.35 mm) termination makes the TAC4 easy to use, rugged, and reliable.

Operation

(As shown in the connection & function diagrams) Upon application of input voltage and closure of controller contact, CC, the load, CR, energizes and the time delay begins. During the time delay, the TAC4's solid state output bypasses the LPC, low pressure switch. This allows the compressor controlled by CR to start and establish acceptable pressure. At the end of the time delay, TAC4's output de-energizes and remains de-energized until reset. The TAC4 may be used in other applications where a controlling contact must be bypassed for a specified period of time.
**Reset:** Removing input voltage or opening CC resets the output and time delay.

Function

1 ⊓ ⊠

CC
TAC4 2/1 ← TD →
LPC
CR
R
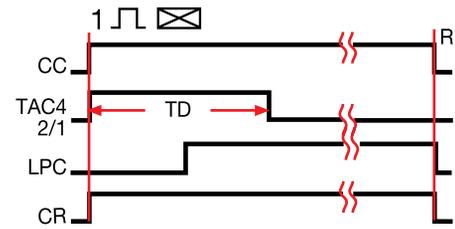
CC = Controller Contact   CR = Compressor Relay
LPC = Low Pressure Cutout
⊸⊢ = Undefined time

Connection

~ V ~

LR
CC   OL   LR   LPC   CR
3 2 1
4 5
R_T
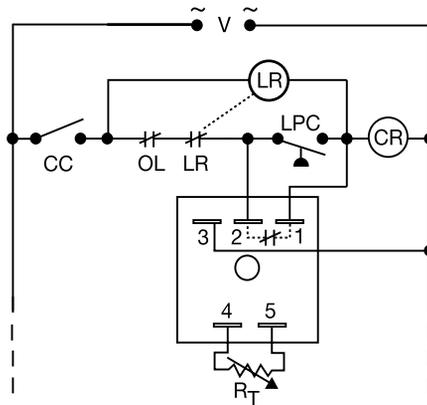
R_T is used when external adjustment is ordered.

V = Voltage   LR = Lockout Relay
OL = Overload or High Pressure Switch
LPC = Low Pressure Cutout
CR = Compressor Control Relay
CC = Controller Contact

Accessories

B **A**
External adjust potentiometer
P/Ns:
P1004-12 (fig A)
P1004-12 -X (fig B)

Female quick connect
P/N:
P1015-64 (AWG 14/16)

Quick connect to screw adaptor
P/N: **P1015-18**

Versa-knob
P/N: **P0700-7**

Mounting bracket
P/N: **P1023-6**

Plug-on adjustment module
P/N:
VTP(X)(X)

For illustration

DIN rail P/Ns:
017322005 (Steel)
C103PM (Al)

DIN rail adaptor
P/N: **P1023-20**

See accessory pages for specifications.

Ordering Table

TAC4	**X**	**X**	**X**
Series	**Input**	**Adjustment**	**Time Delay***
	2 - 24 V AC	**1** - Fixed	**1** - 0.05 ... 3 s
	4 - 120 V AC	**2** - External Adjust	**2** - 0.5 ... 60 s
	6 - 230 V AC		**3** - 2 ... 180 s
			4 - 5 ... 300 s

Example P/N: **TAC4221**   Fixed - **TAC441300**

*If Fixed Delay is selected, insert delay [**0.05** ... **300**] in seconds.

Bypass Timer
TAC4 Series (Interval)
HVAC/R Timer

Technical Data

Time Delay	
Type	Analog circuitry
Range	0.05 ... 300 s in 4 adjustable ranges or fixed
Repeat Accuracy	+/-2%
Tolerance (Factory Calibration)	+/-20%
Time Delay vs. Temperature & Voltage	≤+/-10%
Reset Time	≤ 150 ms
Input	
Voltage	24, 120, or 230 V AC
Tolerance	+/-20%
Line Frequency	50 ... 60 Hz
Output	
Type	Solid state
Form	Normally Closed, closed during timing
Rating	0.5 A steady state, 10 A inrush at 60°C
Voltage Drop	120 & 230 V AC ≅ 4.2 V at 0.5 A
	24 V AC ≅ 2.5 V at 0.5 A
Protection	
Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Termination	0.25 in. (6.35 mm) male quick connect terminals
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Environmental	
Operating Temperature	-40°C ... +75°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)

5

R_T Selection Chart

Desired Time Delay*				R_T
Seconds				
1	2	3	4	Megohm
0.05	0.5	2	5	0.0
0.5	10	30	30	0.5
1.0	20	60	60	1.0
1.5	30	90	90	1.5
2.0	40	120	120	2.0
2.5	50	150	150	2.5
3.0	60	180	180	3.0
			210	3.5
			240	4.0
			270	4.5
			300	5.0

* When selecting an external R_T add at least 30% for tolerance of unit and the R_T.

Mechanical View

≤ 1.21 (30.7)
0.75 (19)
2.00 (50.8)
2.00 (50.8)
0.25 (6.35) DIA.
0.25 (6.35)

Inches (Millimeters)

Adjustment Options - Accessories

Time Delay	VTP P/N	Fig. A P/N	Fig. B P/N
1 – 0.05 ... 3 s	VTP4B	P1004-12	P1004-12-X
2 – 0.5 ... 60 s	VTP4F	P1004-12	P1004-12-X
3 – 2 ... 180 s	VTP4J	P1004-12	P1004-12-X
4 – 5 ... 300 s	VTP5T	P1004-13	P1004-13-X

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Lockout Timer
TA Series
HVAC/R Timer

ANTI-REVERSING/
SHORT CYCLE TIMER
MADE IN USA

5

- Lockout Delay--Prevents Rapid Recycling of a Compressor
- Low Voltage Brownout Protection
- Circuitry to Activate the Cooling Anticipator (24 V AC Models)
- Eliminates Nuisance Service Calls Due to Blown Fuse or Tripped Breakers

Approvals:
(24 V AC only)

Accessories

Female quick connect
P/N:
P1015-64 (AWG 14/16)

Quick connect to screw adaptor
P/N: **P1015-18**

Mounting bracket
P/N: **P1023-6**

DIN rail P/Ns:
017322005 (Steel)
C103PM (Al)

DIN rail adaptor
P/N: **P1023-20**

See accessory pages for specifications.

Description
The TA Series prevents rapid recycling of a compressor. A lockout delay is started when the thermostat opens, or input voltage is lost. Eliminates tripped circuit breakers or blown fuses caused by a locked rotor during short cycling. The TA will not allow the compressor to start when the line voltage is low. Chatter of the compressor relay is eliminated. Because of the fast initiate time, bounce of the thermostat will not be transmitted to the compressor relay coil. A 30 second delay provides anti-reversing protection for scroll compressors.

Operation
On initial closure of the S1, the compressor relay energizes immediately. When S1 opens or input voltage is interrupted, a lockout time delay is initiated. During this lockout time delay, the compressor relay cannot be energized. The low voltage (*brownout*) protection prevents energization of the compressor when the line voltage is low.
Reset: The lockout time delay cannot be reset.

Function
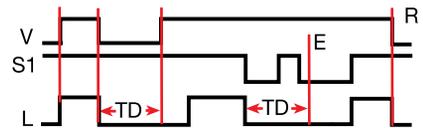
V = Voltage S1 = Initiate Switch or Thermostat
L = Load (CR)   E = Ready   R = Reset
TD = Time Delay

Connection
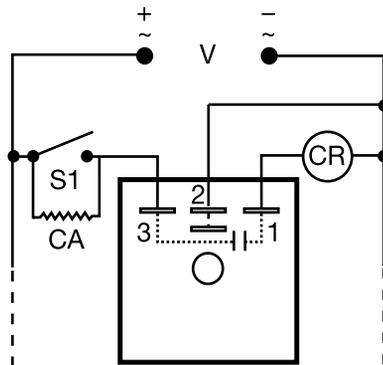
Dashed lines are internal connections.

S1 = Initiate Switch, Contact, or Thermostat
CR = Compressor Relay (Load)   CA = Optional Cooling Anticipator

Ordering Table

Input	Time Delay	Part Number
24 V AC	30 s	TA24A0.5
24 V AC	2 m	TA24A2
24 V AC	3 m	TA24A3
24 V AC	5 m	TA24A5
12 V DC	1 m	TA12D1
24 V DC	30 s	TA24D0.5
24 V DC	2 m	TA24D2
24 V DC	3 m	TA24D3
24 V DC	5 m	TA24D5

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Lockout Timer
TA Series
HVAC/R Timer

Technical Data

Input	
Voltage/Frequency	12 or 24 V DC; 24 V AC, 50 ... 60 Hz
Impedance	450 Ω (anticipator by-pass)
Output	
Minimum Load Current	75 mA
Maximum Load Current	1 A at 60°C
Voltage Drop	≤ 1.25 V
Time Delay	
Initiate Time	≅ 16 ms
Lockout Time	Fixed 0.5, 1, 2, 3, or 5 m
Tolerance	-15% ... +35%
Protection	
Circuitry	Encapsulated
Low Voltage Protection	≅ 20 V: 24 V AC/DC; ≅ 9 V: 12 V DC
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-40°C ... +70°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)
Thermostat	
Cooling Anticipator Resistor	≥ 1800 Ω

5

Mechanical View
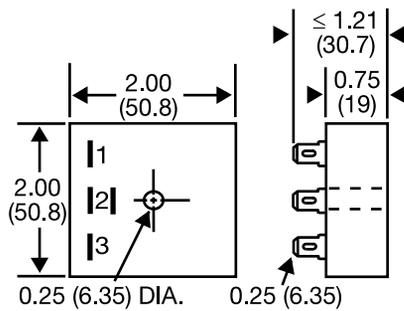
Inches (Millimeters)

TA002B01   01.05.05

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1TRC 001 009 C0202

Lockout Timer
TL Series
HVAC/R Timer

5

ANTI-SHORT CYCLE
SOLID STATE TIMER
MADE IN USA   LINE VOLTAGE
CR
1   2   3
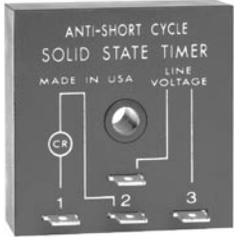
TEN YEAR WARRANTY 10

■ Lockout Delay--Prevents Short Cycling of a Compressor
■ Optional 1 s Delay On Make Prevents Contactor Chatter
■ Totally Solid State and Encapsulated
■ 24 V AC ... 230 V AC in 3 Ranges
■ Eliminates Nuisance Service Calls Due to Blown Fuse or Tripped Breakers

Approvals: UL CSA
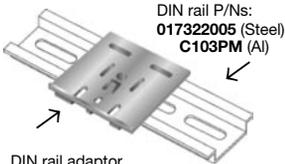
Description
The TL Series provides protection against short cycling of a compressor. At the end of each operation, or whenever power is lost, a lockout delay is initiated. This lockout delay prevents restarting of the compressor until the head pressure has equalized. Compressor relay chatter due to thermostat bounce is eliminated by use of optional one second delay on make. The TL Series should not be used with cooling anticipator resistors or solid state switches. (See the TA Series).

Operation
Lockout: On initial closure of S1, the compressor relay energizes immediately (or after an optional 1 s delay). When the S1 opens or input voltage is interrupted, the output opens and remains open for the lockout time delay. During this lockout time delay period, the compressor relay cannot be re-energized.
Reset: The lockout time delay cannot be reset. After the time delay is completed, the unit automatically resets.

Connection
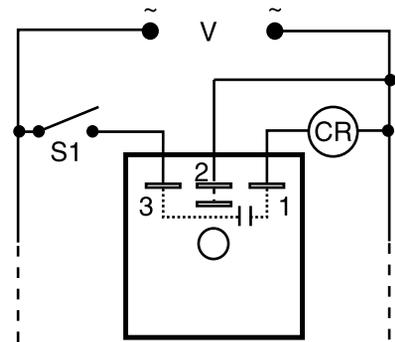
V = Voltage   S1 = Initiate Switch
CR = Compressor or Control Relay

Accessories

Female quick connect P/N: **P1015-64** (AWG 14/16)

Quick connect to screw adaptor P/N: **P1015-18**

Mounting bracket P/N: **P1023-6**

DIN rail P/Ns: **017322005** (Steel) **C103PM** (Al)

DIN rail adaptor P/N: **P1023-20**

See accessory pages for specifications.

Ordering Table

TL	X	X	X
Series	Input	Lockout Time	Delay On Make
	24 A - 24 V AC	**2** m	(Blank) No delay
	120 A - 120 V AC	**3** m	**T** - 1 s
	230 A - 230 V AC	**5** m	

Example P/N: **TL24A2T, TL120A5**

5.168

Technical Data

Input	
Voltage	24, 120, or 230 V AC, 50 ... 60 Hz
Tolerance	+/-20%
Output	
Minimum Load Current	≤ 40 mA
Maximum Load Current	1 A at 24 V AC; 0.5 A at 120 & 230 V AC at 60°C
Inrush Current	10 A at 60°C
Voltage Drop	24 V AC-- 2.5 V at 1 A
	120 & 230 V AC -- 4.2 V at 0.5 A
Time Delay	
Initiate Time	≅ 8 ms
Lockout Time*	Fixed 2, 3, or 5 m
Tolerance	-15% ... +35%
Option	1 s Delay on make eliminates contactor
	chatter due to thermostat bounce
Protection	
Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-40°C ... +70°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)

*Power must be applied for at least 15 s to achieve a full lockout delay.
Less than 15 s will result in proportionally shorter delay periods.
NOTE: Cooling anticipator resistor or leakage may cause erratic operation.
See TA Series for use with 24 V AC systems that include anticipator
resistors or use solid state switches.

Mechanical View

Inches (Millimeters)

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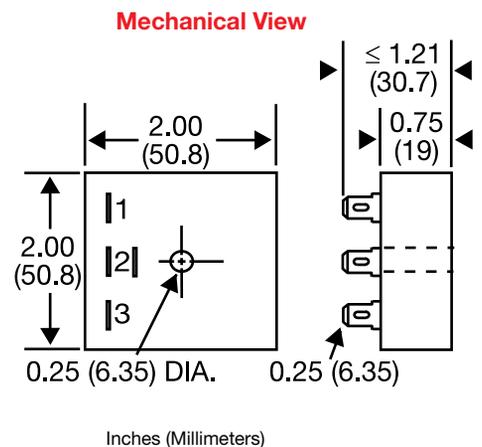
Delay On Make/Break
CT Series
HVAC/R Timer

5

■ Delay on Make and
  Delay on Break In One Unit
■ Use For Fan Delays in Hea-
  ting or Cooling Equipment
■ Use For Multiple Load
  Sequencing
■ 24 V AC Operation
■ Factory Fixed Delays From
  1 ... 600 s in 1 s Increments

Approvals:

Accessories

Mounting bracket
P/N: **P1023-6**

Female quick connect
P/N: **P1015-64** (AWG 14/16)

Quick connect to
screw adaptor
P/N: **P1015-18**
DIN rail P/Ns:
017322005 (Steel)
C103PM (Al)
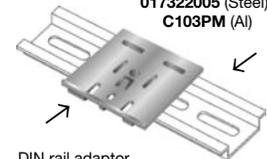
DIN rail adaptor
P/N: **P1023-20**

See accessory pages for
specifications.

Description

The CT Series combines a delay on make and delay on break time delay into one unit and may be used to control fan delays in heating and/or cooling equipment. The CT includes bypass circuitry to allow it to operate with cooling anticipators ≥ 3000 ohms. It is designed to operate in 24 V AC control circuits. Several CT modules may be combined to provide sequencing ON of any number of loads and sequencing OFF of the same loads, such as electric heating elements.

Operation

Forced Air Heating or Air Conditioning (as shown):
When the thermostat closes, the compressor relay is immediately energized. At the end of a fixed delay on make delay (T1), the fan relay is energized. When the thermostat opens, the compressor relay is de-energized and the delay on break delay is initiated. On completion of the fixed delay on break delay (T2) the fan relay is de-energized. If the thermostat is reclosed during the delay on break delay, the delay on break delay is reset and the fan relay remains energized. If the thermostat is closed when input voltage is applied, the delay on make delay (T1) begins as normal.

Reset: Removing input voltage resets the output and time delays.

### Function
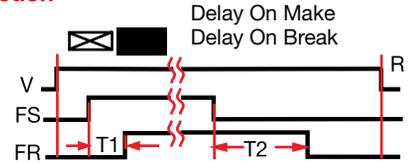
V = Voltage R = Reset
FS = Fan Switch FR = Fan Relay
T1 = Delay On Make T2 = Delay On Break
= Undefined time

Connection
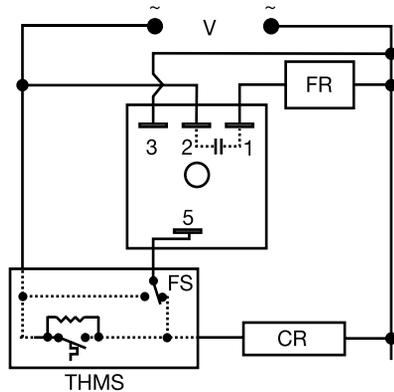
CR = Compressor Relay   THMS = Wall Thermostat
Dashed lines are internal connections.

Ordering Table

CT	**X**	**X**
Series	**Delay on Make (Fixed)**	**Delay on Break (Fixed)**
	Specify time in seconds from **1** ... **600** s followed by (**S**)	Specify time in seconds from **1** ... **600** s

Example P/N: **CT1S120, CT20S60**

Technical Data

Time Delay	
Type	Microcontroller
Range	1 ... 600 s
Repeat Accuracy	+/-5%
Tolerance (Factory Calibration)	+/-20%
Recycle Time	≤ 300 ms
Input	
Voltage	24 V AC
Tolerance	+/-15%
Line Frequency	50 or 60 Hz
Output	
Type	Solid state
Form	Normally open
Rating	0.75 A steady state, 5 A inrush at 55°C
Voltage Drop	≅ 1.25 V
Protection	
Circuitry	Encapsulated
Dielectric Breakdown	≥ 2000 V RMS terminals to mounting surface
Insulation Resistance	≥ 100 MΩ
Mechanical	
Mounting	Surface mount with one #10 (M5 x 0.8) screw
Package	2 x 2 x 1.21 in. (50.8 x 50.8 x 30.7 mm)
Termination	0.25 in. (6.35 mm) male quick connect terminals
Environmental	
Operating Temperature	-40°C ... +70°C
Storage Temperature	-40°C ... +85°C
Humidity	95% relative, non-condensing
Weight	≅ 2.4 oz (68 g)
Thermostat	Anticipator Resistor: ≥ 3000 Ω

Mechanical View

Inches (Millimeters)

1TRC 001 009 C0202

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