

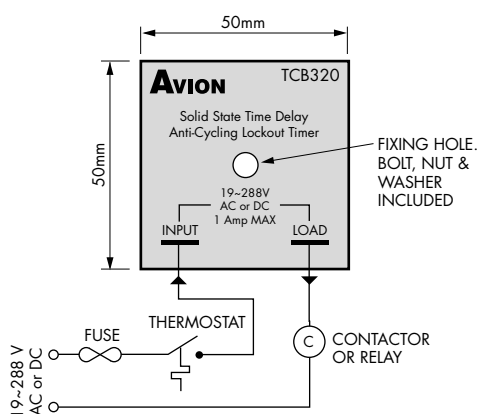
AVION



FEATURES

- True Anti-Short Cycle Protection
- Generous 1 Amp Load Rating
- Quick and Easy Installation
- Simple, 2-Wire Connection
- Popular Standard 'Cube-Style' Package
- Compact 50mm x 50mm Footprint
- Encapsulated Design
 - Provides Accuracy and Reliability
- Reliable Solid State Electronics
 - No Moving Parts

TYPICAL WIRING DIAGRAM



Note: Timer can only be connected directly to small loads. If current is to exceed 1 amp, use an external relay or magnetic contactor.

OPTIONAL ACCESSORIES

- Mini DIN-rail clip and screw.
(For mounting on DIN-rail)

TCB SERIES Anti-Cycling Lockout Timer

The Avion TCB series Anti-Cycling Lockout Timer provides simple, low cost and effective anti-short cycle protection for refrigeration compressors. It is also suitable for use in general electrical control applications where it is undesirable that the load be prone to rapid cycling. Typical usage includes:-

- Refrigeration Compressors
- Large Motors

APPLICATIONS

Refrigeration compressors can suffer extreme electrical and mechanical damage when deprived a sufficient stabilisation period between each stop and subsequent restart. An effective method of imposing a minimum stabilisation period is desirable in that it can significantly increase the life expectancy of expensive equipment.

SPECIFICATIONS

Model:	TCB320	TCB621
Time Delay:	300s (fixed)	10s~10m
Weight:	50g	55g
Common Specifications		
Control Voltage:	19~288V (AC or DC)	
Frequency:	50/60Hz	
Nominal Voltage Drop:	≤ 3V	
Maximum Voltage Drop:	≤ 4.5V	
Maximum Load:	1 Ampere	
In-rush Current:	15 Amperes (for 10ms)	
Minimum Load:	25mA	
Off State Current:	5mA @ 240VAC (maximum)	
Power Consumption:	Less than 1.5 watts (during timing)	
Dimensions:	50mm (H) x 50mm (W) x 20mm (D)	
Contacts:	6.35mm (0.250") Quick-Connect Spade Terminals	
Operating Ambient:	-40°C ~ +75°C	
Transient Protection:	Meets IEEE 587 Standards for categories A & B without false output or degradation. (6kV 0.5 μs • 100 kHz Ring Wave) (6kV 1.2 • 50 μs Impulse Wave)	

Note: Custom configurations are available on request

REPLACES

Manufacturer	Model
Alcair	ACLT-300A
Avion	LRI300, TCA Series
ICM	ICM201
Echowell	BA1F300
SSAC	TTL230A5

TIMING SEQUENCE

