

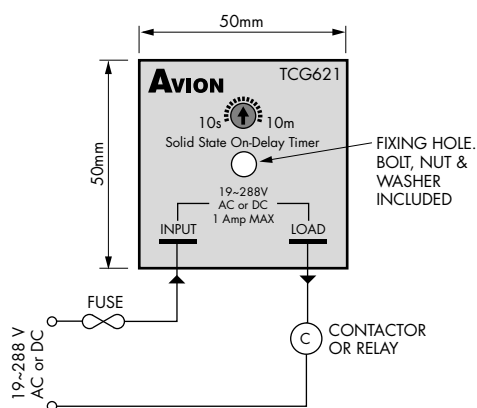
# Avion



## FEATURES

- Variable or Fixed On Delay Time
- Universal Voltage - 19~288V (AC or DC)
- 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

## 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)

## TCG SERIES Delay-On Make Timer

The Avion TCG series Timer provides simple, low cost and effective Delay On Make delay for a wide variety of general control applications where it is necessary that a particular load or device be inhibited from starting for a given period of time. The device is suitable for most equipment requiring Delay On Make timing. Typical usage includes:-

- Staging of Loads
- Alarms (maximum time limit reached)

## APPLICATIONS

It is often desirable that a load be inhibited from starting for a given period of time. For example, when a delay is required from the start of one load to the start of the next load. The Avion TCG Timer will force the required time delay.

## SPECIFICATIONS

Model:	TCG320	TCG621
Time Delay:	300s (fixed)	10s~10m
Weight:	50g	55g
<b>Common Specifications</b>		
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
Echowell	MDEV480
ICM	ICM102
SSAC	TMV8000

## TIMING SEQUENCE

