

Avion

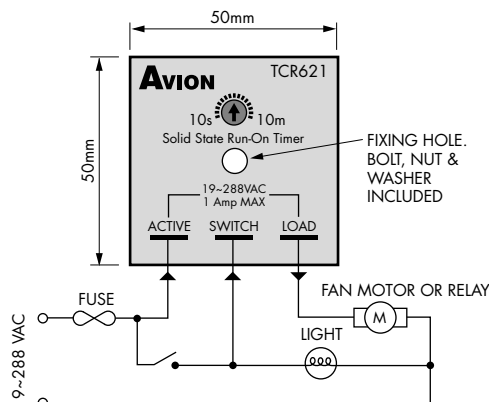
TCR SERIES Run-On "Lag-Off" Timer



FEATURES

- Variable or Fixed Run-On Time
- Universal Voltage – 19~288VAC
- Generous 1 Amp Load Rating
- Quick and Easy Installation
- Simple, 3-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)

The Avion TCR series Run-On Timer provides simple, low cost and effective run-on or "lag-off" timing for all exhaust fan and resistive element heating applications. It is also suitable for use in general electrical control applications where it is necessary that a particular load or device run longer than another. Typical usage includes:-

- Bathroom/Toilet Exhaust Systems
- Resistive Element Heating Installations

APPLICATIONS

It is often desirable that an exhaust fan run longer than a room is occupied, for example in the case of bathroom exhaust fans. Also, in the case of resistive element heating, if the fan is shut down in the same instant as the electric elements, residual heat in the elements can cause a 'nuisance' trip of the safety thermostat or even worse, create a potential fire hazard. Allowing the fan(s) to run on longer than the elements can eliminate this danger.

SPECIFICATIONS

Model:	TCR320	TCR621
Time Delay:	300s (fixed)	10s~10m
Weight:	50g	55g
Common Specifications		
Control Voltage:	19~288VAC	
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
SSAC	TTL24A5, TTL230A5

TIMING SEQUENCE

