

Long-Ranger Computing Timer with Memory

- EEPROM Memory
- · Magnetic Latching Relay
- Delayed & Instantaneous DPDT Contacts
- Switch Selectable SEC, MIN or HR Ranges
- Nine Ranges 0 to 9.99, 99.9 or 999
- · High Accuracy & Noise Immunity
- · Easy Plug-In Housing
- · High Intensity Blue Fluorescent Display
- Fully Gasketed and O-ring sealed to be dust tight
- Timeup or Timedown Display Operation
- 50 or 60 Hz Operation Self-Adjusting

OPERATION

Arrangement 30 & 50 Models

When the preset value is reached, the display stops, the timing bar blinks rapidly, the triangular timed-out symbol "w" blinks, and the delayed relay latches and its contacts change state. The timer remains in this timed-out condition until reset by applying power to the Reset terminal 16 for at least 60 msec. At reset, both relays revert back to their shelf state (without power).

Note 1: The delayed relay is a magnetic latch relay and once latched it will not unlatch even if power is removed or the unit is unplugged from the housing. It will only unlatch when power is momentarily applied to the Reset terminal 16.

Packaged in a 72mm² DIN housing, the ATC 365 is a true plug-in timer that can be replaced in seconds without disturbing the mounting housing or field wiring. Machine and process downtime is kept to a minimum. The 365M is also fully gasketed and 0-ring sealed to be dust tight.

WIDE RANGE: Each 365 timer covers the overall span of 0.01 SEC to 999 HR, in nine switch-selectable ranges of 9.99, 99.9, or 999 SEC, Min, or HR.

EASY-TO-ADJUST PRESET: ATC's unique three rotary switches for easy setting and adjustment of the preset time is an industry standard. The switches can be adjusted anytime, even during a timing cycle. The timer is constantly scanning the preset setting and instantly re-computes the time cycle if a preset change is detected. This is especially valuable in the Timedown mode allowing you to shorten or abort the current time cycle without the removal of power.

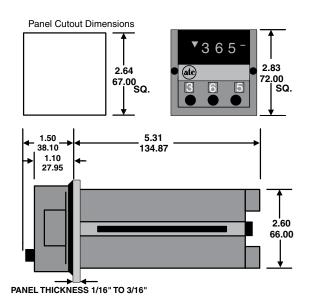
SELF-CALIBRATING: The microprocessor automatically calibrates the timer for 50 or 60Hz power operation, there are no switches or jumpers to set

PROGRAMMABLE DISPLAY: An internal DIP switch can be set for Timeup or Timedown and Stop display operation on the Arrangement 30 model. The Arrangement 50 model can be set for Timeup or Timedown and go. There is a horizontal timing bar "" which appears to the right of the display and blinks once per second during timing and rapidly at timeout. At left, a timed out symbol "" blinks after time-out indicating when the magnetic delayed relay is latched.

MAGNETIC LATCH RELAY: The 365 utilizes a unique magnetic latch delayed relay which energizes, latches, at time-out. Once latched it will not unlatch even with power removed or the unit is unplugged from the housing. It will only unlatch when power is momentarily applied to the Reset, terminal 16.

NON-VOLATILE MEMORY: An EEPROM memory chip to retain the time value during a loss of power and continues timing when power is restored. No battery is required.

DIMENSIONS (INCHES/MILLIMETERS)



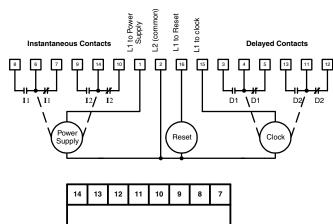
SPECIFICATIONS

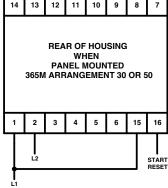
WEIGHT

SPECIFI	CATIONS	5				
MODELS	Choice of two standard 120 VAC models Each model available in 240 VAC or 24 VAC 365M300Q30PX Timeup & Stop or Timedown					
	365M300	Q50PX	& Stop, with display. Timeup & Go or Timedown & Go, with display.			
RANGES	Nine (9) Switch-Selectable ranges 0 - 9.99, 0 - 99.9, and 0 - 999 SEC, MIN, or HR					
MEMORY RETENTION	100,000 read/write cycles					
RESET TIME	Guaranteed not to reset <20 mSEC Typical reset = 40 mSEC Guaranteed to always reset >60 mSEC					
DISPLAY	Cycle Progress 3-digit high-intensity blue VF display, 0.3 inch Timing Bar: " display; blinks once per second during timing, rapidly after time-out. Timed-Out Symbol: " , blinks after time-out, blinks when latch relay is latched					
LOAD RELAYS	Type DPDT, Form C Contact Rating 7 Amps @ 120 VAC, or 1/6HP @ 240 VAC Operate Release 10 mSEC max. Time Life 10 million operations (n					
TEMPERATURE RATING	32 to 122°F (0 to 50°C)					
POWER REQUIREMENTS	120 VAC 240 VAC 24 VAC	Running 50 or 6 Running 50 or 6	0 Hz (10%, -20%) y <100mA @120VAC 0 Hz (10%, -20%) y <50mA @ 240 VAC 0 Hz (10%, -20%) y <300mA @ 24 VAC			
CLOCK INPUT (Terminal 15)	120 VAC 240 VAC 24 VAC	90 - 26 10 mA r 19.2 - 2	max. current @ 120V			
TERMINALS	16 Screw accessible	(6-32) te	erminals with saddle clamps			
HOUSING	72mm ² DIN size, Plug-in design, fully gasketed dust tight when panel mounted. Panel mounting bracket included.					

Net: 1 lb. 6 oz Shipping: 2 lbs.

WIRING





MODEL NUMBER

MODEL NUMBER	365M				Р	
RANGE						
0 to 9.99, or 99.9 or 999 SEC, 30						
MIN, or HR						
Special		000				
VOLTAGE & FREQUENCY						
120 VAC 50-60 Hz	Q					
240 VAC, 50-60 Hz						
24 VAC, 50-60 Hz						
Special	K					
ARRANGEMENT						
Selectable Timeup & Stop or Timedown &						
Stop with Display, Standard						
Selectable Timeup & Stop or Timedown &						
Go with Display, Standard						
FEATURES						
Basic plug-in unit						
Standard unit						
Special						K

Accessories:

Surface Mounting Bracket Kit	353-260-37-00
Retrofit Kit	305-265-61-70