The ATC 652 is a micro-processor-based timer with a 4-1/2 digit LCD display that can provide an indication of either preset time remaining or elapsed. There are five timing ranges covering time values from one millisecond to 199 hours 59 minutes. The unit has both an instantaneous relay output and a programmable relay output which can be programmed for any one of 14 different timing modes.

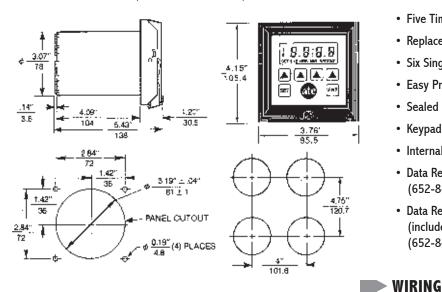
The timing range and mode are selected with an internal DIP switch. The time value is entered using the keypad on the front face. The programmed values are retained in memory and are secured in memory by a keypad lockout command. The keypad can also be used to perform secondary functions such as reset, immediate time out, time inhibit, changing the direction of the display, displaying the number of cycles run, and clearing the cycle counter.

The Model 652 is housed in a standard 15-terminal, plug-in, round case. Models are available for operation on either 120 VAC or 240 VAC.



# Multi-Function Multi-Range Timer

### **DIMENSIONS** (INCHES/MILLIMETERS)

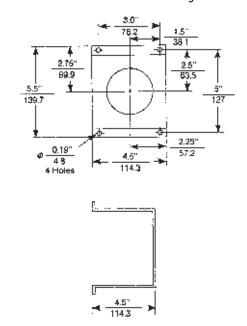


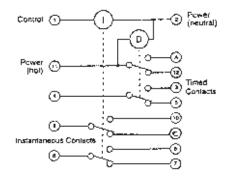
- Five Time Ranges From 0.001 SEC
- Replaces Most Electro-Mechanical Timers
- Six Single-Cycle and Eight Repeat-Cycle Timing Modes
- Easy Programming 7/16" High LCD Display
- · Sealed Faceplate

E205980

- · Keypad Lockout of Time Setting
- Internal Cycle Counter
- Data Retention Memory with EEPROM Circuitry (652-8-4000, 652-8-4001 Models)
- Data Retention Memory with Lithium Battery (included with timer) (652-8-5000, 652-8-5001 Models)

#### model 600-3-3950 surface mounting bracket





**WEIGHT** 

SPECIFICATIONS (ALL MODELS)			
TIMING	0.001 SEC to 19.999 SEC		
RANGES	0.01 SEC to 199.99 SEC		
	0.1 SEC to 1999.9 SEC		
	1 SEC to 199 MIN 59 SEC		
	1 MIN to 199 Hr. 59 MIN		
MODE OF	ON-Delay, Interval, Reverse Start Delay		
OPERATION	Reverse Start Interval, Momentary Start		
	Accumulator, Repeat Cycle-OFF First		
	Repeat Cycle-ON First, Repeat Cycle		
	Reverse Start-OFF First, Repeat Cycle		
	Reverse Start-ON First, Repeat Pulse		
	Repeat Pulse, First Pulse Immediate		
	Repeat Pulse-Reverse Start, Repeat Pulse,		
	First Pulse Immediate Reverse Start		
TIME SETTING	Front Panel Keypad		
TIME REPEAT	±0.005 SEC		
ACCURACY			
DISPLAY	LCD - 4 1/2 Digit, 7/16" High		
RELAY MECHANICAL LIFE	50,000,000 Operations		
INSTANTANEOUS	7 Amps Resistive, 240 VAC, 2 N.O.		
RELAY OUTPUT	2 N.C. Contacts		
TIMED RELAY	7 Amps Resistive, 240 VAC, 2 N.O.		
OUTPUT	2 N.C. Contacts		
TEMPERATURE RATING	32° - 140°F (0° - 60°C)		
OPERATING POWER	120 or 240 VAC, +10%, -20%, 50/60 Hz		
TRANSIENT VOLTAGE PROTECTION	Metal Oxide Varistor		
NEMA RATING	NEMA 12		
TERMINALS	Screw Terminals		

Net: 25 oz. Shipping: 30 oz.

	SPECIFIC	CATIONS	(652-8-4000	& 652-8-4001)
ECET	TIME	25 mSFC		

RESET TIME	25 mSEC
CONTROL VOLTAGE	25 mSEC
INITIATE TIME	
MEMORY	EEPROM Circuitry
POWER	5.2 VA
CONSUMPTION	

## **SPECIFICATIONS** (652-8-5000 & 652-8-5001)

	· ·
RESET TIME	8 mSEC
CONTROL VOLTAGE INITIATE TIME	8 mSEC
MEMORY	Lithium Battery (Included with unit)
POWER CONSUMPTION	3.7 VA

### **ORDERING INFORMATION**

MODEL NUMBER	DESCRIPTION
652-8-4000	Plug-in, Round Case Timer 120 VAC W/EEPROM Memory
652-8-4001	Plug-in, Round Case Timer 240 VAC W/EEPROM Memory
652-8-5000	Plug-in, Round Case Timer 120 VAC W/Battery Memory
652-8-5001	Plug-in, Round Case Timer 240 VAC W/Battery Memory
651-3-0128	Mounting Gasket, 1/8" Thick (Included With Timer)
651-3-0129	Mounting Gasket, 1/4" Thick (Included With Timer)
600-3-3950	Base Mounting Bracket

Replacement lithium batteries - Old ATC Part #652-3-0130 is not available. Use <u>TADIRAN#TL-5902/S SAFT</u>, #<u>LS14250</u> or <u>EAGLE-PICHER #PT-2150</u> from most electrical distributers.