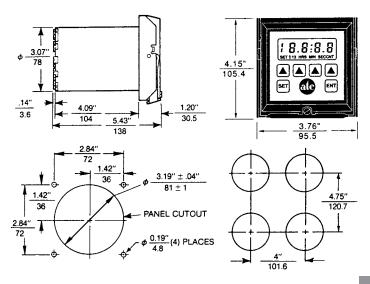
The **ATC 652** is a micro-processor-based timer with a 4-1/2 digit LCD display that can provide an indication of either preset time remaining or elapsed. There are five timing ranges covering time values from one millisecond to 199 hours 59 minutes. The unit has both an instantaneous relay output and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

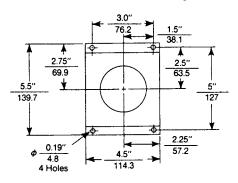
The timing range and mode are selected with an internal DIP switch. The time value is entered using the keypad on the front face. The programmed values are retained in memory and are secured in memory by a keypad lockout command. The keypad can also be used to perform secondary functions such as reset,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

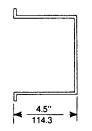
The Model 652 is housed in a standard 15-terminal, plug-in, round case. Models are available for operation on either 120 VAC or 240 VAC.

DIMENSIONS (INCHES/MILLIMETERS)



model 600-3-3950 surface mounting bracket



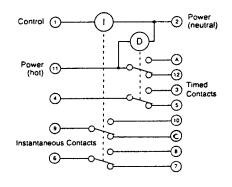




Multi-Function Multi-Range Timer

- 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
- 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)

WIRING



POWER TRANSIENT VOLTAGE PROTECTION Metal Oxide Varistor NEMA RATING NEMA 12 TERMINALS Screw Terminals	SPECIFI	CATIONS (ALL MODELS)					
RANGES0.01 SEC to 199.99 SEC 0.1 SEC to 1999.9 SEC 1 SEC to 1999.9 SEC 1 SEC to 199 MIN 59 SEC 1 MIN to 199 Hr. 59 MINMODE OF OPERATIONON-Delay, Interval, Reverse Start Delay Reverse Start Interval, Momentary Start 	TIMING	0.001 SEC to 19.999 SEC					
1 SEC to 199 MIN 59 SEC1 MIN to 199 Hr. 59 MINMODE OF OPERATIONON-Delay, Interval, Reverse Start Delay Reverse Start Interval, Momentary Start Accumulator, Repeat Cycle-OFF First Repeat Cycle-ON First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Pulse Repeat Pulse, First Pulse Immediate Repeat Pulse-Reverse Start, Repeat Pulse First Pulse Immediate Repeat Pulse-Reverse Start, Repeat Pulse First Pulse Immediate Repeat Pulse-Reverse StartTIME SETTINGFront Panel KeypadTIME SETTINGFront Panel KeypadTIME REPEAT ACCURACY±0.005 SECDISPLAYLCD - 4 1/2 Digit, 7/16" HighRELAY OUTPUT50,000,000 OperationsMECHANICAL LIFE7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTIMED RELAY OUTPUT2 N.C. ContactsTIMED RELAY OUTPUT32° - 140°F (0° - 60°C) RATINGOPERATING POWER120 or 240 VAC, +10%, -20%, 50/60 Hz POWERNEMA RATING NEMA 12NEMA 12 TERMINALSTERMINALSScrew Terminals	RANGES						
I MIN to 199 Hr. 59 MINMODE OF OPERATIONON-Delay, Interval, Reverse Start Delay Reverse Start Interval, Momentary Start Accumulator, Repeat Cycle-OFF First Repeat Cycle-ON First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Pulse Repeat Pulse, First Pulse Immediate Repeat Pulse, First Pulse Immediate Repeat Pulse-Reverse Start, Repeat Pulse First Pulse Immediate Reverse StartTIME SETTINGFront Panel KeypadTIME SETTINGFront Panel KeypadTIME REPEAT ACCURACY±0.005 SECDISPLAYLCD - 4 1/2 Digit, 7/16" HighRELAY OUTPUT50,000,000 OperationsMECHANICAL LIFE7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTIMED RELAY OUTPUT32° - 140°F (0° - 60°C) RATINGOPERATING POWER120 or 240 VAC, +10%, -20%, 50/60 Hz POWERNEMA RATING NEMA 12NEMA 12 TERMINALSTERMINALSScrew Terminals		0.1 SEC to 1999.9 SEC					
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Accumulator, Repeat Cycle-OFF First Repeat Cycle-ON First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Pulse Repeat Pulse, First Pulse Immediate Repeat Pulse, First Pulse Immediate Repeat Pulse-Reverse Start, Repeat Pulse First Pulse Immediate Reverse StartTIME SETTINGFront Panel KeypadTIME SETTINGFront Panel KeypadTIME REPEAT ACCURACY±0.005 SECACCURACYDISPLAYDISPLAYLCD - 4 1/2 Digit, 7/16" HighRELAY BISPLAY50,000,000 OperationsMECHANICAL LIFE7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTIMED RELAY OUTPUT7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTEMPERATURE ATING32° - 140°F (0° - 60°C) RATINGOPERATING POWER120 or 240 VAC, +10%, -20%, 50/60 Hz POWERTRANSIENT VOLTAGE PROTECTIONNEMA 12 TERMINALSTERMINALSScrew Terminals	MODE OF						
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MECHANICAL LIFE 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 32° - 140°F (0° - 60°C) RATING 120 or 240 VAC, +10%, -20%, 50/60 Hz POWER Metal Oxide Varistor VOLTAGE NEMA 12 TERMINALS Screw Terminals	DISPLAY	LCD - 4 1/2 Digit, 7/16" High					
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OUTPUT 2 N.C. Contacts TEMPERATURE 32° - 140°F (0° - 60°C) RATING 20 or 240 VAC, +10%, -20%, 50/60 Hz POWER 120 or 240 VAC, +10%, -20%, 50/60 Hz TRANSIENT Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals	RELAY OUTPUT	2 N.C. Contacts					
OUTPUT 2 N.C. Contacts TEMPERATURE 32° - 140°F (0° - 60°C) RATING 20 or 240 VAC, +10%, -20%, 50/60 Hz POWER 120 or 240 VAC, +10%, -20%, 50/60 Hz TRANSIENT Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals	TIMED RELAY	7 Amps Resistive, 240 VAC, 2 N.O.					
RATING OPERATING 120 or 240 VAC, +10%, -20%, 50/60 Hz POWER TRANSIENT Voltage PROTECTION NEMA RATING NEMA 12 TERMINALS	OUTPUT	· · · · ·					
POWER TRANSIENT VOLTAGE PROTECTION Metal Oxide Varistor NEMA RATING NEMA 12 TERMINALS Screw Terminals		32° - 140°F (0° - 60°C)					
VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals		120 or 240 VAC, +10%, -20%, 50/60 Hz					
TERMINALS Screw Terminals	VOLTAGE	Metal Oxide Varistor					
	NEMA RATING	NEMA 12					
MOUNTING Plug In Case	TERMINALS	Screw Terminals					
	MOUNTING	Plug In Case					
WEIGHT Net: 25 oz. Shipping: 30 oz.	WEIGHT	Net: 25 oz. Shipping: 30 oz.					

SPECIFICATIONS (652-8-4000 & 652-8-4001)

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

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.

652 Series

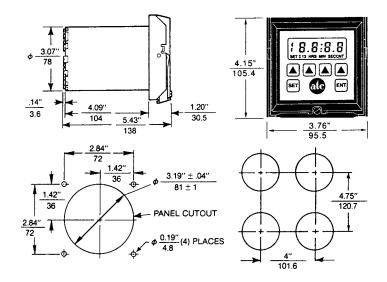
The **ATC 653** is a micro-processor-based control that can function as either a timer or a counter. It has a 4-1/2 digit LCD that can provide an indication of either the time or count value remaining or elapsed. There are five timing ranges covering time values from one millisecond to 199 hours 59 minutes. There are also three count speeds to a maximum of 7500 counts per second. The unit has an instantaneous relay output and a programmable relay output which can be programmed for any one of 14 different timing modes.

The timing range, count speed and timing mode are programmed with an internal DIP switch assembly. An external switch determines whether the time inhibit or count input takes place with application or removal of voltage. The time or count value is preset by the operator using the keypad on the front face.

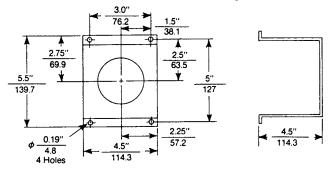
These programmed values are retained in memory and are secured in memory by a keypad lockout command. The keypad can also be used to perform secondary functions such as reset, immediate time/count out, time/count inhibit, changing the direction of the display, displaying the number of cycles run, and clearing the cycle counter.

The Model 653 is housed in a standard 15-terminal plug-in round case. Models are available for operation on either 120 VAC or 240 VAC. Counting can be done at either line voltage or at 12-48 VDC/24 VAC jumper selected.

DIMENSIONS (INCHES/MILLIMETERS)



model 600-3-3950 surface mounting bracket





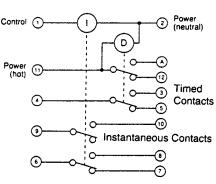
Aus

E205980

Multi-Function Multi-Range Solid-State

- Functions As Timer or Counter
- Five Time Ranges
- Six Single-Cycle and Eight Repeat-Cycle Timing Modes
- Sealed Faceplate
- Cycle Counter
- Count Input Scaling
- Data Retention Memory with EEPROM Circuitry. (653-8-4000, 653-8-4001 Models)
- Data Retention Memory with Lithium Battery (included with timer) (653-8-5000, 653-8-5001 Models)





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TIMING RANGES0.001 SEC to 19.999 SEC 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 MINCOUNT MODES COUNT MODES500 CPM, AC/DC 5000 CPM, AC/DC 7500 CPS, DC OnlyMODE OF OPERATIONON-Delay, Interval, Reverse Start Delay Reverse Start Interval, Momentary Start Accumulator, Repeat Cycle-OFF First Repeat Cycle-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-ON First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-ON First, Repeat Pulse First Pulse Immediate Repeat Pulse, First Pulse Immediate Repeat Pulse-Reverse StartTIME SETTING ITIME REPEAT ACCURACYFront Panel KeypadDISPLAYLCD - 4 1/2 Digit, 7/16" High RELAY 00,000 OperationsMECHANICAL LIFE7 Amps Resistive, 240 VAC, 2 N.O. 1 N.C. ContactTIME RELAY OUTPUT7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTEMPERATING POWER7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTEMPERATING POWER120 or 240 VAC, ±10%, -20%, 50/60 Hi POWERTRANSIENT POWERMetal Oxide Varistor VOLTAGE PROTECTIONNEMA RATING NEMA 12NEMA 12TERMINALS POUNTINGScrew Terminals MOUNTINGMOUNTING Plug In CasePlug In Case	SPECIFI	CATIONS (ALL MODELS)			
Sound CPM, AC/DC5000 CPM, AC/DC7500 CPS, DC OnlyMODE OF OPERATIONON-Delay, Interval, Reverse Start Delay Reverse Start Interval, Momentary Start Accumulator, Repeat Cycle-OFF First Repeat Cycle-ON First, Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Pulse Repeat Pulse, First Pulse Immediate Repeat Pulse, First Pulse Immediate Reverse StartTIME SETTING IDSPLAYCount: 100% Time: ±0.005 SEC AccuracyIISPLAY IDSPLAYLCD - 4 1/2 Digit, 7/16" HighRELAY OUTPUT50,000,000 OperationsMECHANICAL IIFE7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTIMED RELAY OUTPUT7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. ContactsTEMPERATURE ROTECTION32° - 140°F (0° - 60°C) RATINGRATING POWER120 or 240 VAC, +10%, -20%, 50/60 Hi POWERTRANSIEN		0.01 SEC to 199.99 SEC 0.1 SEC to 1999.9 SEC 1 SEC to 199 MIN 59 SEC			
OPERATIONReverse Start Interval, Momentary Start Accumulator, Repeat Cycle-OFF First Repeat Cycle-OFF First Repeat Cycle Reverse Start-OFF First, Repeat Cycle Reverse Start-OFF First, Repeat Pulse Repeat Pulse, First Pulse Immediate 	COUNT MODES	5000 CPM, AC/DC			
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ACCURACY DISPLAY LCD - 4 1/2 Digit, 7/16" High RELAY 50,000,000 Operations MECHANICAL LIFE INSTANTANEOUS 7 Amps Resistive, 240 VAC, 2 N.O. RELAY OUTPUT 1 N.C. Contact TIMED RELAY 7 Amps Resistive, 240 VAC, 2 N.O. 2 N.C. Contacts TEMPERATURE 32° - 140°F (0° - 60°C) RATING 22° - 140°F (0° - 60°C) RATING 120 or 240 VAC, +10%, -20%, 50/60 His POWER TRANSIENT Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals MOUNTING Plug In Case	TIME SETTING	Front Panel Keypad			
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RELAY OUTPUT 1 N.C. Contact TIMED RELAY OUTPUT 7 Amps Resistive, 240 VAC, 2 N.O. OUTPUT 2 N.C. Contacts TEMPERATURE RATING 32° - 140°F (0° - 60°C) OPERATING 120 or 240 VAC, +10%, -20%, 50/60 Hz POWER 120 or 240 VAC, +10%, -20%, 50/60 Hz POWER Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals MOUNTING Plug In Case	MECHANICAL	50,000,000 Operations			
OUTPUT 2 N.C. Contacts TEMPERATURE 32° - 140°F (0° - 60°C) RATING 120 or 240 VAC, +10%, -20%, 50/60 Hz POWER 120 or 240 VAC, +10%, -20%, 50/60 Hz TRANSIENT Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals MOUNTING Plug In Case					
TEMPERATURE RATING32° - 140°F (0° - 60°C)OPERATING POWER120 or 240 VAC, +10%, -20%, 50/60 HzTRANSIENT VOLTAGE PROTECTIONMetal Oxide VaristorNEMA RATING TERMINALSNEMA 12TERMINALS MOUNTINGScrew Terminals					
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POWER Metal Oxide Varistor TRANSIENT Metal Oxide Varistor VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals MOUNTING Plug In Case		32° - 140°F (0° - 60°C)			
VOLTAGE PROTECTION NEMA RATING NEMA 12 TERMINALS Screw Terminals MOUNTING Plug In Case		120 or 240 VAC, +10%, -20%, 50/60 H			
TERMINALS Screw Terminals MOUNTING Plug In Case	VOLTAGE	Metal Oxide Varistor			
MOUNTING Plug In Case	NEMA RATING	NEMA 12			
	TERMINALS	Screw Terminals			
WEIGHT Net: 25 oz. Shipping: 30 oz.	MOUNTING	Plug In Case			
	WEIGHT	Net: 25 oz. Shipping: 30 oz.			

SPECIFICATIONS (652-8-4000 & 652-8-4001)

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

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

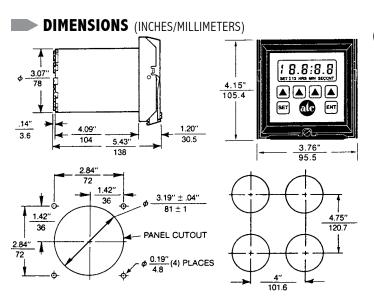
ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
653-8-4000	Plug-in, Round Case Timer 120 VAC W/EEPROM Memory
653-8-4001	Plug-in, Round Case Timer 240 VAC W/EEPROM Memory
653-8-5000	Plug-in, Round Case Timer 120 VAC W/Battery Memory
653-8-5001	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

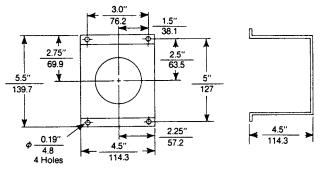
Replacement lithium batteries - Old ATC Part #652-3-0130 is not available. Use <u>TADIRAN#TL-5902/S SAFT</u>, #<u>LS14250</u> or <u>EAGLE-PICHER #PT-2150</u> from most electrical distributers.

PANEL MOUNTED DIGITAL TIMERS

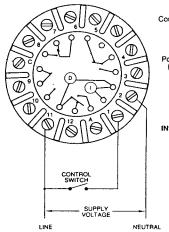
The ATC Model 655 timer is an electronic control that will retrofit most round case electromechanical timers. the control performs the same timing modes (ON-Delay or Reverse Start Delay) as electromechanical units, and it is capable of timing ranges from 1 millisecond to 199 hours, 59 minutes. On the bottom inside of the control are DIP switches which can be set, in seconds, to establish the timing mode and time range. Our unit will plug into competitive mounted cases without wiring changes in most instances. Remove the electromechanical timer, set ours, plug it into the electromechanical timer case and you're ready to run. DIP switch setting instructions for electromechanical timers are supplied with 655 installation instructions.

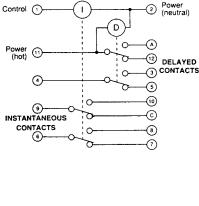


model 600-3-3950 surface mounting bracket











E205980

Panel Mounted Digital Timer

- Direct Replacement For Electromechanical Timers
- Two Timing Modes
- Data Retention with EEPROM Memory or Battery (included with timer).
- Five Time Ranges
- · Simple Keypad Time Setting
- · Sealed Faceplate
- · Keypad Lockout of Time Setting
- Easy Programming
- · Instantaneous Contacts Directly Track the Control Input

ORDERING INFORMATION

MODEL NUMBER	DESCRIPTION
655-8-4000	Timer 120VAC W/EEPROM Memory
655-8-4001	Timer 240VAC W/EEPROM Memory
655-8-5000	Timer 120 VAC W/Battery Memory
655-8-5001	Timer 240 VAC W/Battery Memory
600-3-3950	Base Mounting Bracket
651-3-0128	Mounting Gasket, 1/8" Thick (Included with Timer)
651-3-0129	Mounting Gasket, 1/4" Thick (Included with Timer)

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

DIP SWITCH SETTING GUIDE

Eagle Part Number	65	5 Sı	witcł	ı Set	ting	s	
	1	2	3	4	5	6	7
HP50A6	0	0	X	0	0	0	0
HP50A601	0	0	X	0	0	Х	0
HP51A6	0	0	Х	0	0	0	0
HP51A601	0	0	Х	0	0	Х	0
HP52A6	0	Х	0	0	0	0	0
HP52A601	0	Х	0	0	0	Х	0
HP53A6	0	Х	Х	0	0	0	0
HP53A601	0	Х	Х	0	0	Х	0
HP54A6	0	Х	Х	0	0	0	0
HP54A601	0	Х	Х	0	0	Х	0
HP55A6	0	Х	Х	0	0	0	0
HP55A601	0	Х	Х	0	0	Х	0
HP56A6	0	Х	Х	0	0	0	0
HP56A601	0	Х	Х	0	0	Х	0
HP57A6	0	Х	Х	0	0	0	0
HP57A601	0	Х	Х	0	0	Х	0
HP58A6	Х	0	0	0	0	0	0
HP58A601	Х	0	0	0	0	Х	0
HP59A6	Х	0	0	0	0	0	0
HP59A601	Х	0	0	0	0	Х	0
HP510A6	Х	0	0	0	0	0	0
HP510A601	Х	0	0	0	0	Х	0
HP511A6	Х	0	0	0	0	0	0
HP511A601	Х	0	0	0	0	Х	0
HP514A6	0	0	Х	0	0	0	0
HP514A601	0	0	Х	0	0	Х	0
HP515A6	0	0	Х	0	0	0	0
HP515A601	0	0	Х	0	0	Х	0
HP517A6	0	0	Х	0	0	0	0
HP517A601	0	0	Х	0	0	Х	0
HP518A6	0	Х	Х	0	0	0	0
HP518A601	0	Х	Х	0	0	Х	0

DIP SWITCH DEFINITIONS

0=OFF X=ON

1.Determine Eagle Model Number: To determine the Model Number of the Eagle HP5; remove timer from case by loosening the screw at the lower front of the timer face and lift the mounting

handle and pull the timer from the case. The model number will be on the left side of the timer. Some models will have a metal plate with the part number, others have a label with the number in that same area.

2. Remove Control: Remove the 655 control from its case by loosening the screw at the bottom of the chrome handle, lifting the handle up and pulling the control forward.

3. Determine Switch Settings: Determine how the 655 DIP switches should be set to retrofit that particular HP5 model using the DIP Switch Setting Guide.

4. Set Time Base: Hold the control to expose the DIP switch assembly on the bottom of unit and set the time base you require on switches 1, 2, and 3.

5. Set Timing Mode: To select the timing mode required, set switches 5, 6, and 7 on the switch assembly as recommended by the DIP Switch Setting Guide.

6. Set Preset Time: Position the 655 control so that you are looking at

0	Х	0			
`		$\not>$,ON		
(OFF			/	
1		~			

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 SEC to 199 MIN 59 SEC
TIMING MODES	ON-Delay or Reverse Start Delay
RESET TIME	25 mSEC
CONTROL VOLTAGE	25 mSEC
INITIATE TIME	
MEMORY	4000/4001 - EEPROM
	5000/5001 Lithium Battery - Replaceable
POWER	5.2VA
CONSUMPTION	
TIME SETTING	Front Panel Keypad
TIME REPEAT	± .005 SEC
ACCURACY	
DISPLAY	LCD: 4-1/2 Digit, 7/16" High
RELAY	50,000,000 Operations
MECHANICAL LIFE	
	7 Amna Pasiativa 240 VAC
INSTANTANEOUS	7 Amps Resistive, 240 VAC
RELAY OUTPUT	2 N.O.
	· · · · · · · · · · · · · · · · · · ·
RELAY OUTPUT	2 N.O.
RELAY OUTPUT	2 N.O. 7 Amps Resistive, 240 VAC
RELAY OUTPUT TIMED RELAY OUTPUT	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C)
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT VOLTAGE	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT VOLTAGE	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT VOLTAGE PROTECTION	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz. Metal Oxide Varistor
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT VOLTAGE PROTECTION NEMA RATING	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz. Metal Oxide Varistor NEMA 12
RELAY OUTPUT TIMED RELAY OUTPUT SHORT CIRCUIT PROTECTION TEMPERATURE RATING OPERATING POWER TRANSIENT VOLTAGE PROTECTION NEMA RATING TERMINALS	2 N.O. 7 Amps Resistive, 240 VAC 2 N.O., 2 N.C. Contacts 1/4 Amp Fuse 32° to 140°F (0° to 60°C) 8 120 or 240 VAC, +10%, -20%, 50/60 Hz Metal Oxide Varistor NEMA 12 Screw Terminals

the keypad on the front of the unit. Push the SET button and four dashes will appear. Depress the SET button a second time and word SET and four zeros will appear. To enter the preset time desired, press the ENT button and preset number will flash seven and go blank. The Model 655 timer is now ready to operate and can be returned to its case or directly into the case of the HP5 that it is replacing. To check or change the preset time; push the SET button and time setting will be displayed. To change the preset time follow the same procedure as indicated previously in this paragraph. When you have completed setting a new preset time, push the ENT button. The preset time can be changed when the 655 is running a cycle or "on the fly". That run cycle will be completed based on the preset at the beginning of the cycle. The new preset will control the next cycle.

NOTE: If the "SET" button is pushed to review or change the preset time, the ENT button must be pushed to return the control to the operating mode.

*NOTE: Dipswitch #8 inactive