



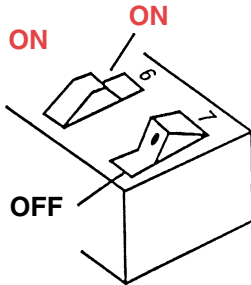
# ONE ATC MODEL A655 CAN REPLACE OVER 30 DIFFERENT MODELS OF ELECTROMECHANICAL TIMERS



The ATC Model A655-8-1000 (EEPROM) or A655-8-3000 (Battery) 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 supplied with A655 installation instructions.

## DIP Switch Definitions

O = OFF X = ON



## FEATURES

- Data Retention with EEPROM
- Memory or Battery
- Two Timing Modes
- Five Time Ranges
- Direct Replacement For Electromechanical Timers
- Simple Keypad Time Setting
- Sealed Faceplate
- Keypad Lockout of Time Setting
- Self-Diagnostic Circuitry
- Easy Programming
- UL, C-UL (Canada) Recognized
- Instantaneous Contacts Directly Track The Control Input

## DIP Switch Setting Guide

Eagle Part Number	A655 Switch Settings							Eagle Part Number	A655 Switch Setting						
	1	2	3	4	5	6	7		1	2	3	4	5	6	7
HP50A6	O	O	X	O	O	O	O	HP58A6	X	O	O	O	O	O	O
HP50A601	O	O	X	O	O	X	O	HP58A601	X	O	O	O	O	X	O
HP51A6	O	O	X	O	O	O	O	HP59A6	X	O	O	O	O	O	O
HP51A601	O	O	X	O	O	X	O	HP59A601	X	O	O	O	O	X	O
HP52A6	O	X	O	O	O	O	O	HP510A6	X	O	O	O	O	O	O
HP52A601	O	X	O	O	O	X	O	HP510A601	X	O	O	O	O	X	O
HP53A6	O	X	X	O	O	O	O	HP511A6	X	O	O	O	O	O	O
HP53A601	O	X	X	O	O	X	O	HP511A601	X	O	O	O	O	X	O
HP54A6	O	X	X	O	O	O	O	HP514A6	O	O	X	O	O	O	O
HP54A601	O	X	X	O	O	X	O	HP514A601	O	O	X	O	O	X	O
HP55A6	O	X	X	O	O	O	O	HP515A6	O	O	X	O	O	O	O
HP55A601	O	X	X	O	O	X	O	HP515A601	O	O	X	O	O	X	O
HP56A6	O	X	X	O	O	O	O	HP517A6	O	O	X	O	O	O	O
HP56A601	O	X	X	O	O	X	O	HP517A601	O	O	X	O	O	X	O
HP57A6	O	X	X	O	O	O	O	HP518A6	O	X	X	O	O	O	O
HP57A601	O	X	X	O	O	X	O	HP518A601	O	X	X	O	O	X	O

## SPECIFICATIONS

### TIMING RANGES

- 0.001 Sec. to 19.999 Sec.
- 0.01 Sec. to 199.99 Sec.
- 0.1 Sec. - 1999.9 Sec.
- 1 Sec. - 199 Min., 59 Sec.
- 1 Min. - 199 Hrs., 59 Min.

### TIMING MODES

- ON Delay or Reverse Start Delay

### TIME SETTING

- Front Panel Keypad

### TIME REPEAT ACCURACY

- ±.005 Sec.

### RESET TIME

- 1000: 25mS
- 3000: 8mS

### CONTROL VOLTAGE INITIATE TIME

- 1000: 25mS
- 3000: 8mS

### MEMORY

- Models -1000, -1001**

EEPROM

- Models -3000, -3001**

Lithium Battery - Replaceable

## ATC Model A655-8-1000/3000

### OPERATING POWER

- 120 or 240 VAC, +10%, -20%, 50/60 Hz.

### POWER CONSUMPTION

- 5.2VA

### INSTANTANEOUS RELAY OUTPUT

- Models -1000, -1001**

- 7 Amps Resistive, 240VAC, 2 N.O.,

- 1 N.C. Contacts

- Models -3000, -3001**

- 7 Amps Resistive, 240Vac

- 2 N.O., 2 N.C. Contacts

### TIMED RELAY OUTPUT

- Models -1000, -1001**

- 7 Amps Resistive, 240VAC, 1 N.O.,

- 2 N.C. Contacts

- Models -3000, -3001**

- 7 Amps Resistive, 240Vac

- 2 N.O., 2 N.C. Contacts

### RELAY MECHANICAL LIFE

- 50,000,000 Operations

### DISPLAY

- LCD - 4 1/2 Digit, 7/16" High

### TERMINATION

- Screw Terminals

### MOUNTING

- Plug In Case

### SHORT CIRCUIT PROTECTION

- 1/4 Amp Fuse

### TRANSIENT VOLTAGE PROTECTION

- Metal Oxide Varistor

### OPERATING TEMPERATURE

- 0°-60°C

### UL RECOGNIZED

- File No. E104697

### C-UL (Canada) RECOGNIZED

- File No. E104697

### NEMA RATING

- NEMA 12

## 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 A655 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 A655-8 1000/3000 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.

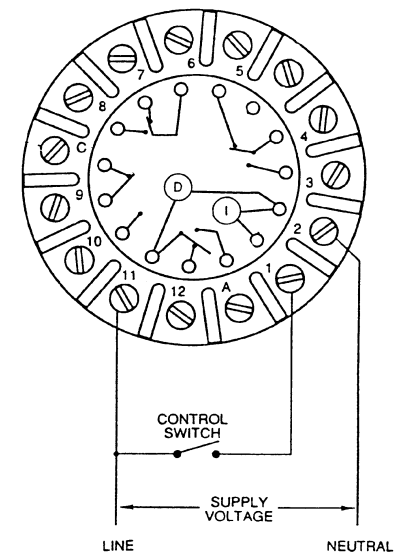
## 5 - Set Timing Mode

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

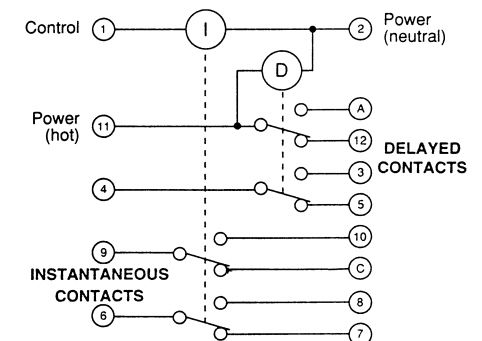
## 6 - Set Preset Time

Position the A655 control so that you are looking at 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 the word SET and four zeros will appear. To enter the preset; press the buttons located under each number. After you have set the preset time desired, press the ENT button and the preset number will flash seven times and go blank. The Model A655 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 the 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 A655 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.

## WIRING CONNECTIONS



## INTERNAL SCHEMATIC



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