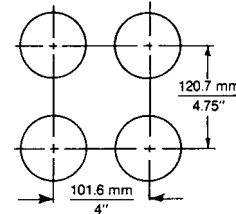
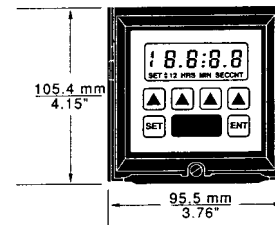
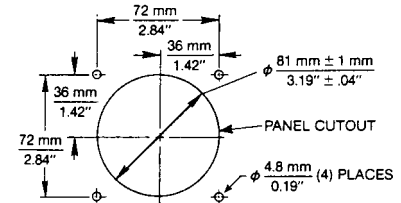
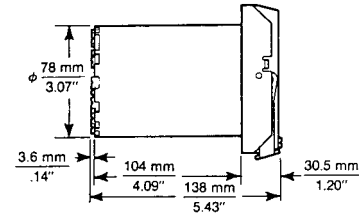


Series A655

Panel Mounted Digital Timers



DIMENSIONS INCHES MILLIMETERS



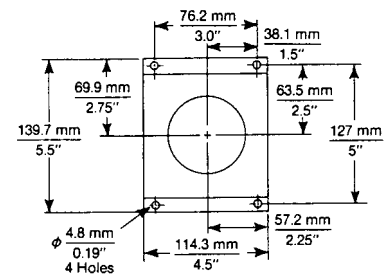
FEATURES

- 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

The ATC Model A655 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 A655 installation instructions.

MODEL A600-3-3950

SURFACE MOUNTING BRACKET



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	0	0	X	0	0	0	0	HP58A6	X	0	0	0	0	0	0
HP50A601	0	0	X	0	0	X	0	HP58A601	X	0	0	0	0	X	0
HP51A6	0	0	X	0	0	0	0	HP59A6	X	0	0	0	0	0	0
HP51A601	0	0	X	0	0	X	0	HP59A601	X	0	0	0	0	X	0
HP52A6	0	X	0	0	0	0	0	HP510A6	X	0	0	0	0	0	0
HP52A601	0	X	0	0	0	X	0	HP510A601	X	0	0	0	0	X	0
HP53A6	0	X	X	0	0	0	0	HP511A6	X	0	0	0	0	0	0
HP53A601	0	X	X	0	0	X	0	HP511A601	X	0	0	0	0	X	0
HP54A6	0	X	X	0	0	0	0	HP514A6	0	0	X	0	0	0	0
HP54A601	0	X	X	0	0	X	0	HP514A601	0	0	X	0	0	X	0
HP55A6	0	X	X	0	0	0	0	HP515A6	0	0	X	0	0	0	0
HP55A601	0	X	X	0	0	X	0	HP515A601	0	0	X	0	0	X	0
HP56A6	0	X	X	0	0	0	0	HP517A6	0	0	X	0	0	0	0
HP56A601	0	X	X	0	0	X	0	HP517A601	0	0	X	0	0	X	0
HP57A6	0	X	X	0	0	0	0	HP518A6	0	X	X	0	0	0	0
HP57A601	0	X	X	0	0	X	0	HP518A601	0	X	X	0	0	X	0

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 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

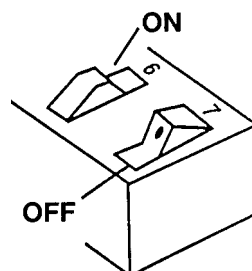
To select the timing mode required, set switches 5, 6, and 7 on the switch assembly as recommended by the DIP Switch Setting Guide.

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. 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 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 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.

DIP SWITCH DEFINITIONS

0=OFF X=ON



SPECIFICATIONS

Timing Ranges

0.001 Sec. to 19.999 Sec.
 0.01 Sec. to 19.999 Sec.
 0.1 Sec. to 19.999 Sec.

Timing Modes

ON-Delay or Reverse Start
 Delay

Time Setting

Front Panel Keypad

Time Repeat Accuracy

± .005 Sec.

Reset Time

25 ms

Control Voltage Initiate Time

25 ms

Memory

Lithium Battery -
 Replaceable

Operating Power

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

Power Consumption

5.2VA

Instantaneous Relay Output

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

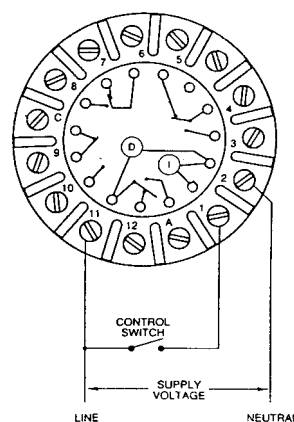
UL Listing

File No. E104697

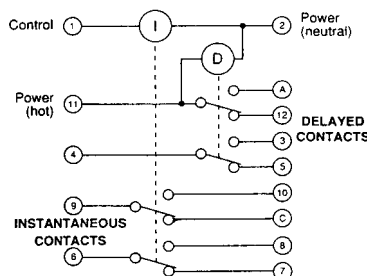
NEMA Rating

NEMA 12

WIRING



INTERNAL SCHEMATIC



ORDERING INFORMATION

Part Number	Description
A655-8-1000	Timer 120VAC -EEPROM Memory
A655-8-1001	Timer 240VAC -EEPROM Memory
A655-8-3000	Timer 120VAC -Lithium Battery Memory
A655-8-3001	Timer 240VAC -Lithium Battery Memory
A651-8-3000	Timer 120VAC -Lithium Battery Memory
A651-8-3001	Timer 240VAC -Lithium Battery Memory
A652-3-0130	Replacement Lithium Battery
A600-3-3950	Base Mounting Bracket
A651-3-0128	Gasket 1/8" Thick (Included With Timer)
A651-3-0129	Gasket 1/4" Thick (Included With Timer)

Before starting your design, read the safety statement on the inside back cover of the ATC catalog.