The **ATC 765** Step Controller is the perfect alternative to cam timers and micro PLC's for simple sequential applications. The 765 is a powerful, compact, economical sequential control that features an extremely user friendly programming format.

Microprocessor-based, it offers 100 control levels or steps, 8 programmable relay outputs, functions with count input signals or timed input with 4 timing range values from 0.01 seconds to 99 hours/59 minutes and a host of other primary and secondary keypad functions.

A cost-effective control, the Model 765 is an ideal alternative to cam timers and micro PLCs for sequencing operations. Equipped with EEPROM memory, the Model 765 can store programmed information indefinitely, without battery back-up, freeing PLCs from memory storage that can be better applied for more critical data retention tasks. It step advances on the basis of time or count which can be intermixed from one control step to the next if desired.

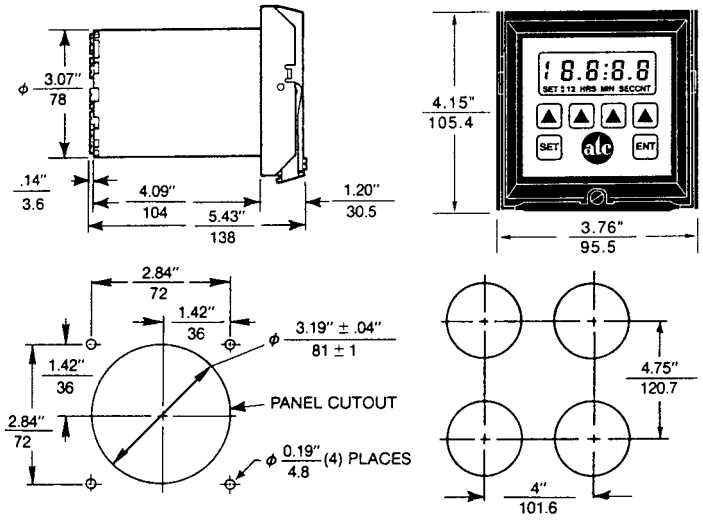
Sealed for the harsh industrial environment, the Model 765 is equally at home in the laboratory for quality control or test applications.

E104697

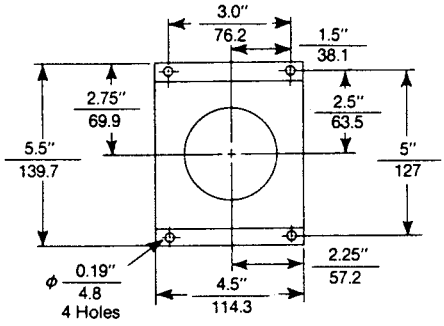
Programmable Count/Time Step Control

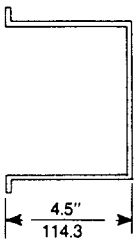
- 1 Sequence—Up to 100 Steps
- 8 User-Defined Outputs
- Multiple Timing Ranges
- Time and/or Count Step Advance Modes
- 120VAC and 240VAC Models
- Easy to Configure
- Membrane Keypad/Panel Gasket Resist Industrial Environments
- Keypad Lockout
- Large 9/32" Digital LCD Readout
- Four-Point Screw Mounting Resists Vibration

DIMENSIONS (INCHES/MILLIMETERS)

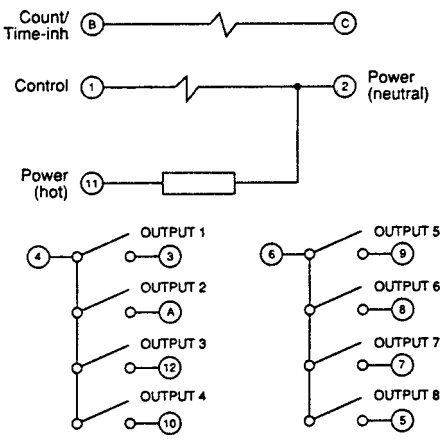


model 600-3-3950 surface mounting bracket





WIRING



SPECIFICATIONS (ALL MODELS)

TIMING RANGES	0.01 SEC to 99.99 SEC	
	0.1 SEC to 999.9 SEC	
	1 SEC to 99 MIN 59 SEC	
	1 MIN to 99 Hr. 59 MIN	
COUNT RANGE	9999	
COUNT INPUT/TIME INHIBIT	Line Voltage or 12-18 VDC, 24 VAC	
COUNT SPEEDS (AC OR DC)	500/MIN 5000/MIN	
MEMORY	EEPROM	
POWER CONSUMPTION	5.2VA	
TIME SETTING	Front Panel Keypad	
REPEAT ACCURACY	Count 100%	
	Time ±0.01 SEC Max.	
DISPLAY	LCD: 4-1/2 Digit, 7/16" High	
MECHANICAL LIFE	50,000,000 Operations	
OUTPUT	8 Relay Contacts, N.O.	
	Ratings 5A/250V/1250VA Max. Resistive 2A/250V/500VA Max. Inductive	
TEMPERATURE RATING	32° to 140°F (0° to 60°C)	
POWER	Voltage	120 or 240VAC
	Power Consumption	3.2VA
	Frequency	50/60 Hz.
	Range	20% to +10% Nom.
TRANSIENT VOLTAGE PROTECTION	Metal Oxide Varistor	
WEIGHT	1.64 lb.	

MODEL NUMBER

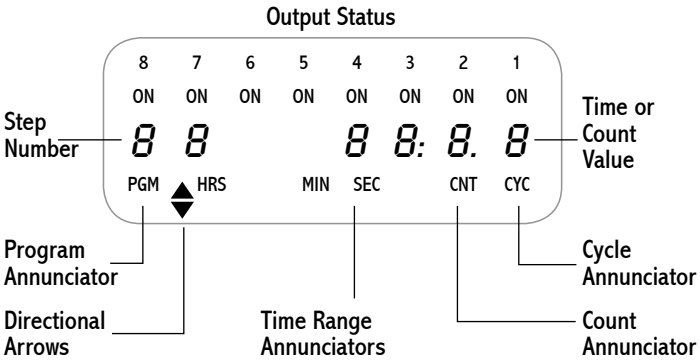
MODEL NUMBER	765	8	
OPERATING VOLTAGE			
120 VAC			1000
240 VAC			1001

ACCESSORIES

Base Mounting Bracket	600-3-3950
Panel Gasket 1/8" Thick (Included with Controller)	651-3-0128
Panel Gasket 1/4" Thick (Included with Controller)	651-3-0129

LCD DISPLAY

The front panel display provides indication of step number, time or count value and output status when the unit's in the run mode; and programming information when in the program mode. The membrane keys provide input command access to generate the desired program mode sequence, as well as intervene in the run mode sequence.



OUTPUT STATUS: Indication of the "on" or "off" state of each output in both the program and run modes.

STEP NUMBER: Indication from "H" (Home) through "99".

PROGRAM ANNUNCIATOR: Illuminates in the program mode.

DIRECTIONAL ARROWS: In run mode, they indicate the direction of timing or counting, i.e., from the setpoint to zero or from zero to the setpoint. In program mode, they indicate the direction of manual stepping with the STEP key.

TIME RANGE ANNUNCIATORS: In run mode, they indicate the time range being executed on each step. In program mode, they indicate the time range that has been or will be programmed. Note that the SEC annunciator (when used by itself) is associated with two different time ranges depending on the position of the decimal point.

TIME OR COUNT VALUE: Four-digit indication of the programmed value in the program mode or the actual value in the run mode.

CYCLE ANNUNCIATOR: Illuminates in both program and run modes when the value of the cycle counter is being displayed.

COUNT ANNUNCIATOR: Illuminates in both program and run modes when step advance is to take place on the basis of a count value.