PUSH BUTTON START/INTERNAL: The 409 has a Push Button built into its front dial. When pressed, the timer starts and provides an interval time delay. The 409 has a set of DPDT output contacts. When the Push Button is pressed with power applied, the contacts immediately transfer. After the timer has timed out, the contacts release. Unit timing will reset with power loss.

UNIVERSAL POWER SUPPLY: All 409 timers can be powered using 24-240 VAC or 24 VDC power, greatly simplifying ordering and inventory management of replacement units.

HIGH ACCURACY: The 409's timing circuit is not a simple RC circuit. It utilizes the sophistication of a proprietary integrated circuit that includes counting technology along with a stable oscillator to provide repeatable time delays.

1/16 DIN HOUSING: The 48mm² (1/16 DIN) housing is compact. The 409 is mounted in an 8-pin round (octal) socket. With an optional mounting clip, the 409 can be panel mounted.

The dial on the 409 is extra large and is easy to read. When fractional ranges are selected, decimal points are clearly indicated.

The Range Select Switch is located on the side of the unit, so that when panel mounted, this switch is not accessible to the operator. This tamper proof feature prevents unauthorized or hazardous changes to the timing range from being made.

OPERATIONS

Timing begins when the front green push button is pressed. This energizes the DPDT relay and starts an oscillator which runs at a frequency determined by the time setting. A fixed number of counts from the oscillator determines the end of the timing cycle.

The LED indicates the status of the relay output. It comes on when the green push button is pressed and remains on steady during the cycle. The LED turns off after the cycle is completed and the contacts released.

MODEL NUMBER

-				
409B			2	
	100			
	500			
		E		
24 to 240 VAC (50/60 Hz) and 24 VDC F				
8-Pin, Push Button Start, Interval Operation				
Standard				Χ
				K
	z) and 24	100 500 z) and 24 VDC	100 500 E z) and 24 VDC F	100 500 E z) and 24 VDC F

ACCESSORIES

8-Pin surface/DIN rail socket	000-825-85-00	
Hold down for above socket	407-025-13-00	
(Requires two per unit)		
Panel mounting bracket	405-320-02-00	
Plug-in socket kit (8-pin)	319-261-45-00	
8-Pin panel socket with rear facing terminals	000-825-90-00	

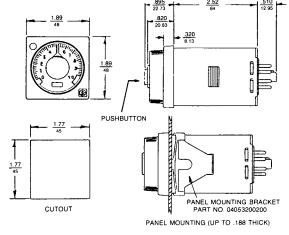


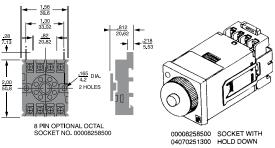


1/16 DIN Push-Button Timer

- · Push Button Start, Interval Timing Mode
- · Push Button Integral to front dial
- Output Contacts rated 10A at 120/240 VAC and 30 VDC
- Six Timing Ranges in a single unit:
 1 and 10 SEC, MIN, and HRS
 5 and 50 SEC, MIN, and HRS
- Universal Power Supply: 24-240 VAC and 24 VDC
- · 48mm2 DIN Standard housing
- · Large and easy to read dial shows decimal points
- · Round (octal) socket mount or mount in panel cutout
- Range and Mode select are tamper proof when panel-mounted

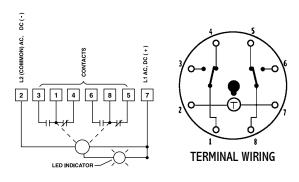
DIMENSIONS (INCHES/MILLIMETERS)



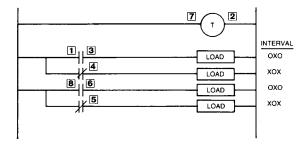


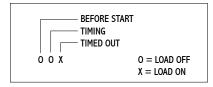
WIRING

MODEL 409B...F2X



TYPICAL CIRCUITS 409B...F2X





SPECIFICATIONS

SPECIFI	CATIONS				
MODELS	409B100F2X	Push Button Start, Interval Timing with (1) DPDT rela (1 or 10 SEC/MIN/HRS)			
	409B500F2X	Push Button Start, Interval Timing with (1) DPDT relay (5 or 50 SEC/MIN/HRS)			
	Both models available in 6 ranges from 1 SEC to 10 HRS or 5 SEC to 50 HRS				
CONTACT RATING	Rated 10 AMPS resistive at 30 VDC or 250 VAC (or less) 1/8 HP @ 120 VAC 1/4 HP @ 240 VAC 240 VA @ 240 VAC LIFE:10 million operation with no load 100,000 operations with: 10 AMPS at 30 VDC (or less) or				
		at 250 VAC (or less)			
CONTACT MATERIAL	Silver Nickel				
TEMPERATURE RATING	0° to 122°F (-18° to 50°C)				
MOUNTING	Plug-in octal base; mounts in any position with retaining clips.				
	•	rface mounting socket			
		N rail mounting socket nel-mounting adapter kit			
		ıg-on socket kit			
POWER REQUIREMENTS	Universal power supply - reverse polarity protecte Unit will accept power from 24 to 240 VAC, 50 or 60 Hz, (+10%, -20%) 24 VDC (+20%, -20%) AC Inrush - 1.5 Amps Power required - 1.2 watts				
		ripple @ 100 Hz - 5%			
	Current required - 50mA				
		quired - 1.2 watts			
REPEAT		nction of temperature.			
ACCURACY		Any voltage (constant temperature): ±0.5%* Any voltage (0 F to 140 F): ±2.0%*			
	*Variation from average actual time.				
MINIMUM		with the exception of			
SETTING	50 mSEC on the 1 second range				
SETTING ACCURACY	±5% of range				
RESET		nSEC power interruption: ed no reset			
		mSEC; it may reset			
	(40 mSE	C typical reset)			
		CEC			
	c Over 65 i	mSEC guaranteed to reset			