Product: 700-HT12BU120

Description: 700-HT Single Range Tube Base Timing Relay

Representative Photo Only
(actual product may vary based on configuration selections)

CONTROL RELAY DATA

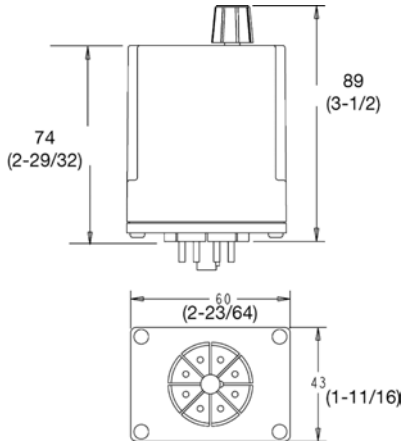
Timing Fixed Mode	Adjustable Timer
Timing Mode	On Delay Timer
Adjustable Timing Range	1.0 to 100 Seconds
Contact Configuration	DPDT Contact Arrangement
Coil Voltage	120V AC/DC

CERTIFICATIONS AND APPROVALS

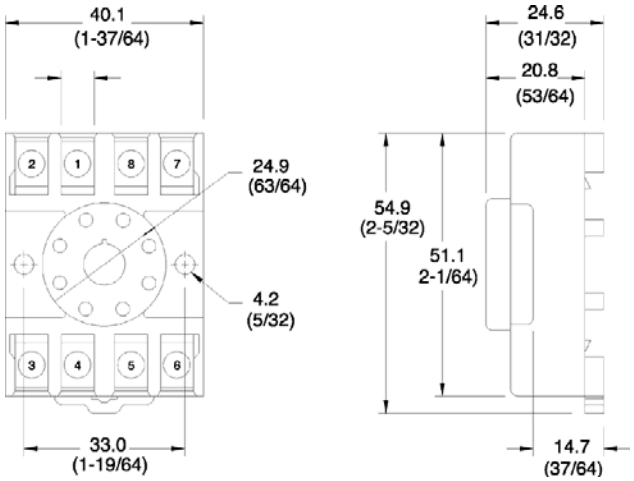
UR	Recognized, Guide No. NLDX2, File No. E3125
UL (added line)	Listed with socket, Guide No. NLDX, File No. E3125
CSA	
CE	Marked
For UL Certifications Directory:	http://database.ul.com/cgi-bin/XYV/template/LISEXT/1FRAME/index.htm

Approximate Dimensions

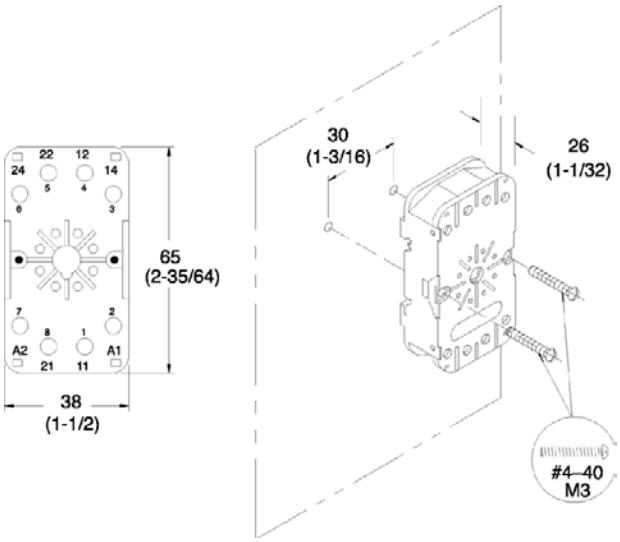
Approximate Dimensions are shown in millimeters (inches). Approximate Dimensions are not intended to be used for manufacturing purposes.



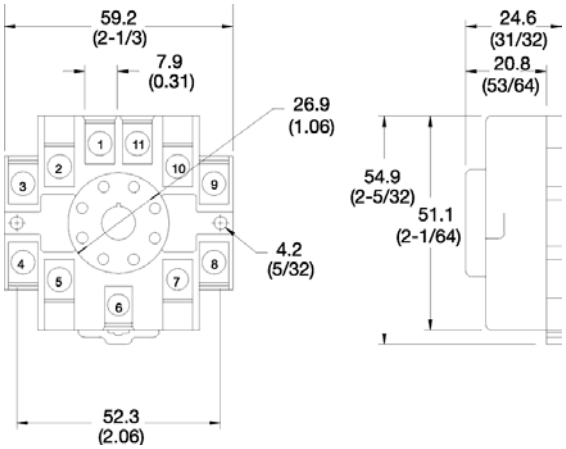
Bulletin 700-HT Timing Relay
(Bulletin 700-HTF without knobs)



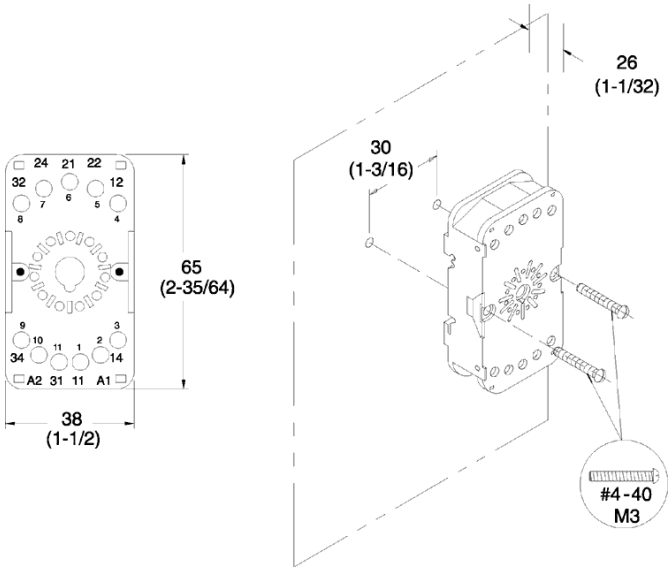
Cat. No. 700-HN125
Wire Size: 2 x 2.5 mm^{2}Single Wire — Up to #12 AWGDouble Wire — 2 x 2.5 mm^2 (#2 – 14 AWG… #2 – 20 AWG)(Either Solid or Stranded)Strip Length: 9 mm (3/8 in) — Torque: 0.8 N•m (7 lb•in)



Cat. No. 700-HN100
Panel Mounting
Double Wire — 2 x 2.5 mm^2 (#2 – 14 AWG…#2 – 20 AWG)(Either Solid or Stranded)Strip Length: 9 mm (3/8 in) – Torque: 0.8 N•m (7 lb•in)



Cat. No. 700-HN126
Wire Size: 2 x 2.5 mm^{2}Single Wire — Up to 12 AWGDouble Wire — 2 x 2.5 mm^2 (#2 – 14 AWG…#2 – 20 AWG)(Either Solid or Stranded)Strip Length: 9 mm (3/8 in) — Torque: 0.8 N•m (7 lb•in)



Cat. No. 700-HN101
Panel Mounting
Double Wire – 2 x 2.5 mm^2 (#2 – 14 AWG…#2 – 20 AWG)(Either Solid or Stranded)Strip Length: 9 mm (3/8 in) – Torque: 0.8 N•m (7 lb•in)

Specifications

			Cat. No. 700-HT…			Cat. No. 700-HTF…		
Electrical Ratings								
Pilot Duty Rating†			NEMA B300					
Rated Thermal Current (I_{th})			10 A					
Rated Insulation Voltage (U_i)			250V IEC, 300V UL/CSA					
Contacts		Inductive	Make	Break	HP	Make	Break	HP
			▶][◀	◀][▶		▶][◀	◀][▶	
		120V AC	30 A	3 A	1/3	30 A	3 A	1/3
		240V AC	15 A	1.5 A	1/2	15 A	1.5 A	1/2
		Resistive 28V DC	10 A	10 A	—	10 A	10 A	—
Permissible Coil Voltage Variation			85…110% of Nominal Voltage at 50 Hz 85…110% of Nominal Voltage at 60 Hz 80…110% of Nominal Voltage at DC					
Power Consumption ±10%	AC	24V AC	2 VA					
		120V AC	4 VA					
		240V AC	4 VA					
	DC		1.3 W					
Design Specification/Test Requirements								
Dielectric Withstand Voltage		Pole-to-Pole, same circuit (VRMS)	1000V AC					
		Pole-to-Pole, different circuits (VRMS)	2000V AC					
		Contact-to-Coil (VRMS)	2000V AC					
Electrical Life Operations			100,000 minimum					
Switching Frequency Operations			1800/hr					
Coil Voltages			See product selection					
Mechanical								
Degree of Protection			Open Type (Guarded Terminal Sockets)					
Mechanical Life Operations			10 x 10^6					
Switching Frequency Operations			18,000/hr					
Timing		Duty Cycle	Continuous					
Repeat Accuracy (constant voltage and temperature)			±2% (Time Delay: 0.1…2 s) ±1% (Time Delay: >2 s)					
Repeat Accuracy (variable voltage and temperature)			±10%					
Fixed Time Setting Accuracy			—			±5% (Time Delay: 0.1…2 s) ±1% (Time Delay: >2 s)		
Scale Tolerance		High End of Range	+5%			—		
		Low End of Range	-50%			—		
Reset Time		ON Delay	100 ms					
		OFF Delay	40 ms					
Environmental								
Temperature		Operating	–28…+65 °C (50 °C max., 240V AC coil) (–18…+149 °F) (122 °F max., 240V AC coil)					
		Storage	–55…+85 °C (–67…+185 °F)					
Altitude			2000 m (6560 ft)					
Construction								
Insulating Material			Molded High Dielectric Material					
Enclosure			Impact Resistant Dust Cover					
Contact Material			Silver Cadmium Oxide					
Terminal Markings on Socket			In accordance with EN50 005					
Sockets			8- or 11-Pin Socket (On = 8, Off = 11) 700-HN100, -HN125 700-HN101, -HN126					
Certifications			CSA Certified, File LR1234, UL Recognized, File E3125 Guide NLDX 2,UL Listed, Ind. Cont. Eq. A191 with 700-HN100, 700-HN101, 700-HN125, and 700-HN126 Sockets, CE-Marked (per EU Low Voltage Directive 93/68 EEC)					
Standards			EN 61812, EN 60947-5-1, CSA 22.2, UL 508					

✶ Performance Data — See Important 2, publication A115.
† NEMA Rating Chart is on page 19 of publication 700-SG003B-EN-P.