


Accessories

	Description	Pkg. Quantity	Cat. No.
 Cat. No. 700-HN141	Replacement Flush Mounting Adapter (One shipped with each 700-HXM66Z24)	1	700-HN141

Specifications

Electrical Ratings		
Pilot Duty Rating	NEMA B300	
Rated Supply Voltage	24V DC	
Operating Voltage Range	85...110% of rated supply voltage	
Power Consumption	1.5 W max. (for max. DC load) (Inrush current: 15 A max.)	
Make	▶ ◀	120V AC 30 A
		240V AC 15 A
Break	◀ ▶	120V AC 3 A
		240V AC 1.5 A
Hp at 120V AC	1/4 Hp	
Hp at 240V AC	1/3 Hp	
Mechanical		
Mounting Method	Flush mounting (Panel or door)	
Terminal Screw Tightening Torque	0.5 N•m max.	
Display	Seven-segment, negative transmissive LCD; time display (hr, min, s); CMW, OUT, RST, TOTAL Present value (red, 7 mm high characters); Set value (green, 3.4 mm high characters)	
Digits	PV: Four digits SV: Four digits When total count value is displayed: eight digits (Zeros suppressed)	
Memory Backup	EEPROM (non-volatile memory) (number of writes: 100 000 times)	
Counter	Maximum counting speed	30 Hz or 5 kHz*
	Counting range	-999...9,999
	Input modes	Increment, decrement, individual, quadrature inputs
	Output modes	N, F, C, or K
Timer	Time ranges	0.000...9.999 s, 0.00...99.99 s, 0.0...999.9 s, 0...9999 s, 0 min 00 s...99 min 59 s, 0.0...999.9 min, 0 h 00 min...99 h 59 min, 0.0...999.9 hr, 0 h...9999 hr
	Timer modes	Elapsed time (Up), remaining time (Down)
	Output modes	A, B, D, E, F, or Z
Inputs (OV input)	Input signals	For Counter: CP1, CP2, and reset For Timer: Start, gate, and reset
	Input method	No-voltage input (contact short-circuit and open input) Short-circuit (ON) impedance: 1 KΩ max. (Approx. 2 mA runoff current at 0Ω) Short-circuit (ON) residual voltage: 2V DC max. Open (OFF) impedance: 100 kΩ min. Applied voltage: 30V DC max.
	Start, reset, gate	Minimum input signal width: 1 or 20 ms (selectable)
	Power reset	Minimum power-opening time: 0.5 s
Control Output	SPDT contact output: 5 A at 250V AC/30V DC, resistive load (cos φ = 1)	
Minimum Applied Load	10 mA at 5V DC (failure level: P, reference value)	
Reset System	External, manual, and power supply resets (for timer in A, B, D, E, or Z modes)	
Sensor Waiting Time	260 ms max. (Inputs cannot be received during sensor wait time if control outputs are turned OFF)	

* The figures given for maximum counting speed are for incrementing or decrementing operation with a prescale value of x1. If prescaling is used and 5 kHz is set, the maximum counting speed will be reduced to about half. The non-prescaling maximum counting speed will also be reduced to about half when the up/down mode is selected.

* "700-HXM User Manual" pub. no. 700-UM001*