

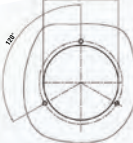
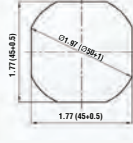
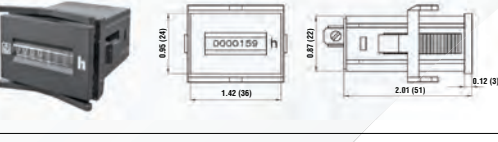
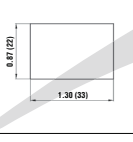
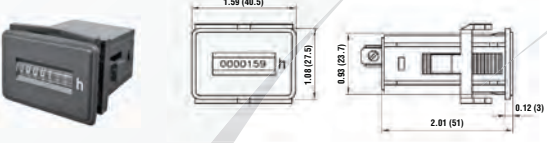
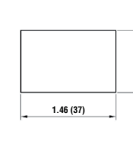
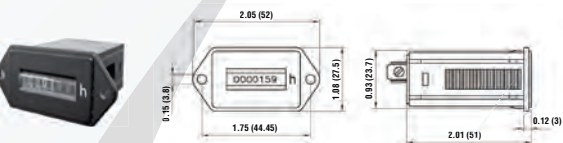
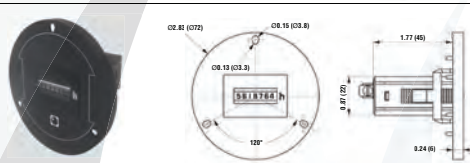
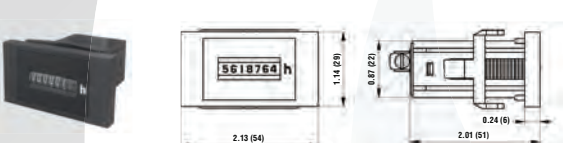
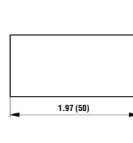
AC and DC Hour Meters

TAC Models: HMA 460, HMA 470, HMA 300

DC Models: HMD 460, HMD 470, HMD 300



		470 Series	460 Series	300 Series
Mechanical Data	Display	AC: 5 integers, 2 decimals DC: 6 integers, 1 decimal AC indicator without reset	AC: 5 integers, 2 decimals DC: 6 integers, 1 decimal without reset	AC: 5 integers, 2 decimals DC: 6 integers, 1 decimal without reset
	Digit Height	0.16" (4mm)	0.16" (4mm)	0.16" (4mm)
	Digit Colour	Integer: white on black Decimal: 50 Hz – red on black Decimal: 60 Hz – red on white	Integer: white on black Decimal: 50 Hz – red on black Decimal: 60 Hz – red on white	Integer: white on black Decimal: 50 Hz – red on black Decimal: 60 Hz – red on white
	Counting Range	AC: 99,999.99 h, DC: 999,999.9 h	AC: 99,999.99 h, DC: 999,999.9 h	AC: 99,999.99 h, DC: 999,999.9 h
	Reading Accuracy	AC: 1/100 h (36 sec) DC: 1/10 h (6 min)	AC: 1/100 h (36 sec) DC: 1/10 h (6 min)	AC: 1/100 h (36 sec) DC: 1/10 h (6 min)
	Weight	2 oz	2 oz	1 oz
	Housing color/Marking	Standard Black	Standard Black/Neutral	Standard Black/Neutral
Electrical Data	Operating Voltage (AC)	24, 48, 60, 110, 120, 220, 230, 240, 400 VAC ± 10%, 50 or 60 Hz	24, 48, 60, 110, 120, 220, 230, 240, 400 VAC ± 10%, 50 or 60 Hz	24, 48, 60, 110, 120, 220, 230, 240, 400 VAC ± 10%, 50 or 60 Hz
	Operating Voltage (DC)	6-30, 10-80, 110, 220 VDC ± 10%	6-30, 10-80, 110, 220 VDC ± 10%	6-12, 12-36, 36-80, 110, 220 VDC ± 10%
	Current Consumption:	AC: max. 8 mA DC: max. 9 mA	AC: max. 8 mA DC: max. 9 mA	AC: max. 8 mA DC: max. 9 mA
	Connection	Screw Connection, 1/4" Spade	Screw Connection, 1/4" Spade	Screw Connection, 1/4" Spade
Ambient Conditions	Operating Temperature:	AC: -13°F to +176°F DC: -4°F to +158°F	AC: -13°F to +176°F DC: -4°F to +158°F	AC: -13°F to +176°F DC: -4°F to +158°F
	Storage Temperature:	AC: -40°F to +176°F DC: -4°F to +158°F	AC: -40°F to +176°F DC: -4°F to +158°F	AC: -40°F to +176°F DC: -4°F to +158°F
	Relative Humidity:	Max. 80% at 77°F	Max. 80% at 77°F	Max. 80% at 77°F
	Protection	NEMA 4X	NEMA 1 (IP40 Front) NEMA 4X (IP66 Front - on request)	NEMA 1 (IP40 Front) NEMA 4X (IP67 Front) NEMA 6P (IP67 - Totally Sealed Housing)

Model	Dimensions	Panel Cut-Out	Mounting	Ordering
470			Flush with aluminum clamp	Model HMA 470 (AC) Model HMD 470 (DC)
471			Flush with three screws	Model HMA 471 (AC) Model HMD 471 (DC)
460			Flush with retainer bracket	HMA 460 (AC) HMD 460 (DC) Voltage/Freq.
461			Surface with DIN rail	HMA 461 (AC) HMD 461 (DC) Voltage/Freq.
300			Flush With Retainer Bracket	HMA 300 (AC) HMD 300 (DC) Voltage/Frequency
301			Flush With Retainer Bracket	HMA 301 (AC) HMD 301 (DC) Voltage/Frequency
302			Flush With Two #6 Screws	HMA 302 (AC) HMD 302 (DC) Voltage/Frequency
303			Flush With Three #8 Screws	HMA 303 (AC) HMD 303 (DC) Voltage/Frequency
304			Flush With Retainer Bracket	HMA 304 (AC) HMD 304 (DC) Voltage/Frequency

Note: Specify 1/4" spade or screw terminals

