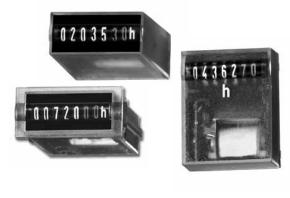


Hour meters / timers, electromechanical

Micro timers

Many different installation options (DC)

HK 07 / AHK 07



The micro timers of the HK 07 and AHK 07 families offer a particularly large number of variants and can be used in many different applications thanks to their wide voltage range from 4.5 to 35 V DC.

Available as panel, base and PCB mount versions, they can be used in many different fields of application. Thanks to their encapsulated housing, these non-resettable counters are extremely tamper-proof.



Characteristics

- 7-digit micro hour meter
- · High shock and impact resistance
- · Low power consumption; suitable for battery operation
- Small dimensions magnified large figures
- · Panel-mount counter with integrated spring clip
- · PCB-mount counter
- · Machine-solderable and wash-proof
- Protection IP65

Benefits

- Wide voltage range 4.5 ... 35 V DC
- · Count retention in case of power failure
- · Long service life

Applications

General time measurement, maintenance intervals for measuring instruments (respiration units, oxygen, dialysis), small appliances, UV lamps, display panels in vehicles

Тур	e series						
Fig.	Fig. Mounting options Display		Protection	El. connection	Housing	Height of fig.	Туре
1)	1) Panel mount with latch front side		IP65, front side	flying leads	plastic	4 mm [0.16"]	HK 07.20
2)	PCB mount, lying	on the top	IP65, front side/on rear	solder pins	plastic	4 mm [0.16"]	HK 07.90
)	PCB mount, upright	front side	IP65, front side/on rear	solder pins	plastic	4 mm [0.16"]	HK 07.92
1)	Base mount, upright	front side	IP40	flying leads	plastic	4 mm [0.16"]	AHK 07.00
Vlou	inting options and position	on of the displa	ау				
) Pa	nnel mount / display front side		2) PCB mount, lying / display on the top		3)	PCB mount, upright / o	display front side
4) Base mount, upright / display front side		Optional: PCB mount, hanging / display front side					
:)				



Hour meters / timers, electromechanical

Micro timers Many different installation options (DC) HK 07 / AHK 07

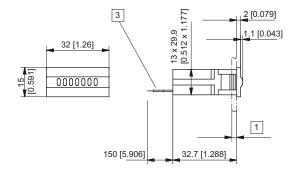
Technical data				
Electrical connection	panel mount PCB mount	flying leads, AWG 22 (red +, black -) approx. 150 mm [5.91"], 6 mm [0.24"] stripped wire ends, tinned solder pins 0.4×1.2 mm [0.016 $\times 0.047$ "], tinned		
Power consumption				
(every 36 s with a	at $U_B = 5 \text{ V DC}$	typ. 82 mW		
pulse length of 32 ms)	at $U_B = 12 \text{ V DC}$	typ. 135 mW		
	at U _B = 24 V DC	typ. 135 mW		
		max. 170 mW		
Rated voltage		4.5 35 V DC		
Residual ripple		< 1 %		
Current consumption		< 1.5 mA (average)		
On time		100 %		
Pulse duration		32 ms; every 36 s = 0.01 h		
		On-times < 36 s will not be counted		
Number of digits		7: 99999.99 h		
Accuracy		22.5 ppm at 25°C [77°F]		

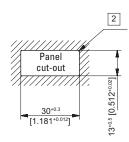
Height of fi	igures	1.2 x 4.0 mm [0.047 x 0.16"]	
Colour of fi	igures	white and red on black	
Reset		no reset	
Operating t	temperature	-10°C +60°C [+14°F +140°F] (non-condensing)	
Mounting	position	horizontal, other on request	
Solderable	and washproof versions	HK 07.90, HK 07.91, HK 07.92	
Soldering t	temperature	265°C [+509°F], 3 s	
Protection		up to IP65 depending on kind of type	
EMC	Emitted interference Immunity to interference	EN 55011 class B EN 61000-6-2	
Housing		plastic PC (Polycarbonate)	
Weight		15 18 g [0.53 0.63 oz]	

OptionsHK 07.20 flat pin 0.8 x 2.8 mm [0.031 x 0.11"] (other on request)

Panel mount with latch / display front side Type HK 07.20





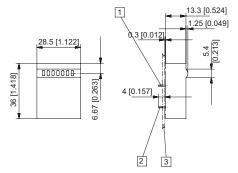


1 1.2 3 [0.047 x 0.12"]	2 R _{max} 0.5	3 Flying leads (red+ / black-)
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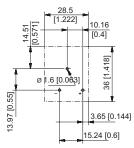
	ArtNo.
Type Display	4.5 35 V DC
HK 07.20 7 digits	3.100.200.383 ¹⁾
HK 07.20.35 with flat pins 7 digits	3.107.200.383 1)

PCB mount, lying / display on the top Type HK 07.90





Punching diagram for PCB (component side)



- 1 Mounting pin without el. function 0.4 x 1.2 [0.016 x 0.047]
- 2 Electrical connection 0.4 x 1.2 [0.016 x 0.047] 3 PCB

		ArtNo.
Туре	Display	4.5 35 V DC
HK 07.90	7 digits	3.100.900.383

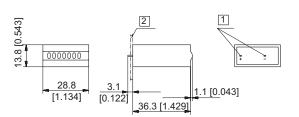


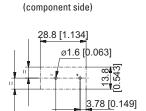
Hour meters / timers, electromechanical

Micro timers Many different installation options (DC) HK 07 / AHK 07

PCB mount, upright / display front side Type HK 07.92







15.24 [0.6]

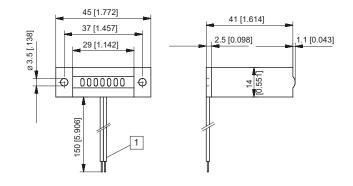
Punching diagram for PCB

1 Electrical connection 0.4 x 1.2 [0.016 x 0.047] 2 PCB

			ArtNo.
1	Гуре	Display	4.5 35 V DC
ı	HK 07.92	7 digits	3.100.920.383

Base mount, upright / display front side Type AHK 07.00





1 Flying leads (red+ / black-)

Type Disp	ArtNo play 4.5 35	
AHK 07.00 7 dig	gits 3.100.0 0	00.383