



Akustikanlagen nach EN 54 –16
 Uhrenanlagen, analog und digital
 Lautsprecher für Beschallungsanlagen

Systèmes Audio d'évacuation EN 54 –16
 Horloges analogiques et digitales
 Haut-parleurs

Voice-Alarm according EN 54 –16
 Clock Systems, analogue and digital
 Loudspeaker



Master Clock GM-HU-3000-P4 for built into g+m housings

Output 24 V Time-Code + 24 V Minute Impulse - 4 Relay Outputs
 (only for building into in g+m System Housings)



- For controlling and regulating energy and consumers such as lighting, locks break, bells etc.
- For operation and control of analogue and Digital Slave Clocks (self adjusting with Time Code or normal minute impulse)
- Easy programming with integrated SD-card reader

General :

- Fully automatic correction of summer / winter time
- Easy programming by simple YES/NO instructions over the easy to read LCD display
- To achieve absolute accuracy, radio synchronization with the transmitters of time code signals type OCF-77 (Germany) is available as option
- LED indication of power on, activated relay output and receipt of time code signal.
- Built-in "Time Keeper Memory" with lithium battery which, in case of power failure, stores programmed data's for at least 10 years

Functions :

- 4 relay outputs with 800 signal points, 2 changing und 2 closing pot. free contacts as ON / OFF or pulse programmable.
- ON/OFF and signal pulse 1-59 sees. can be programmed for day, week, year or to follow a schedule.
- Schedule programming of, for example, school - and working hours (can handle 6 different schedules per year).
- After a power failure, the relay outputs are resuming their positions (ON/OFF) which were previously programmed (with a 10 second switching delay between the different outputs).
- 72 hours impulse memory after a power failure
- ease programming via Chip card (option)

Type	Output	Relay outputs	connection
GM-HU-3000-P4	24-V DC or TC	4	230 V AC
GM-HU-SD-CARD	SD-card		



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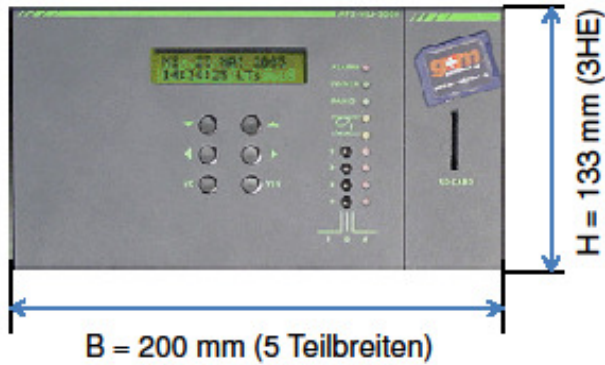
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g+m elektronik ag
CH-9245 Oberbüren
www.gm-elektronik.ch

Technical Data's :



Specification :

Crystal frequency.....	4,915200 MHz
Accuracy.....	0,1 sec. / 24 Std. (bei + 20C)
Microprocessor.....	HD6303Y
Outputs:.....	24-V DC or 24-V DC Time Code
Current:.....	1 A
Signal - Points.....	800
Memory reserve.....	10 Years (Lithium Battery)
Relays - Output.....	2 Impulse und 2 closing potential free contacts
Max. Relay Load.....	230 V AC 6A cos. 0.7
Ambient temperature.....	0 C to + 40 C
Case.....	IP 65 / Plastic (Polystyrol) with transparent protection cover
CE Approval, EMC.....	EN 50081-1, EN 50082-2

Options :

GM-2022.....	Ext. DCF receiver for Radio Synchronisation
GM-2022-GPS.....	Ext. GPS receiver for Radio Synchronisation
Minute Impulse:.....	different Voltages then 24-V