

GM-HU-3000-P4

Master clock for installation in APS systems



Features

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 informations

- 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
- Easy programming via Chip card (option)
- ON/OFF and signal pulse (1–59 seconds) can be programmed for day, week, year or to follow a schedule – each year, the programmed public holidays would be automatically adjusted
- Can handle 6 different schedules or working hours per year
- After a power failure, the relay outputs are resuming their positions
- 72 hours impulse memory after a power failure

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

Specifications

Crystal frequency	4.915200 MHz
Accuracy	0.1 seconds/24 hours (at +20°C)
Outputs	24 V DC Minute Impulse 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
Housing	APS system housing
CE Approval	EN 50081-1, EN 50082-2

Options:

GM-2022	Ext. DCF receiver for Radio synchronisation
GM-122985	Ext. GPS receiver for Radio synchronisation