



Unsere leistungsstärkste Hauptuhr

mit bis zu 2 integrierten NTP-Servern, die eine einheitliche Zeitverteilung der UTC und LT auch im Netzwerk ermöglichen. Im Zusammen-hang mit Ethernet-Nebenuhren bildet diese Hauptuhr ein modernes, intelligentes und bedienungsfreundliches Uhren-system, das kaum Wünsche offen lässt.

Our most powerful master clock

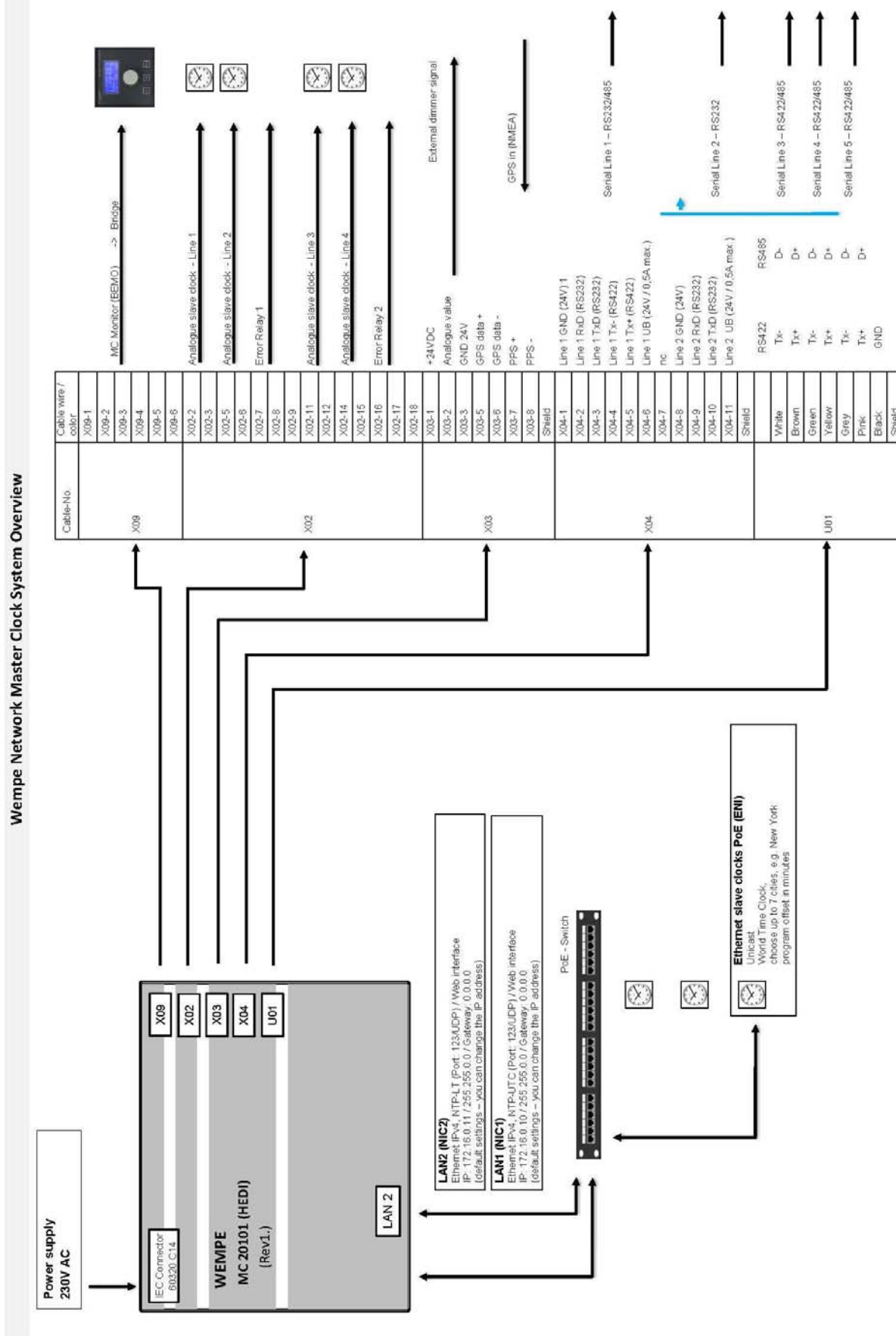
with up to 2 integrated NTP servers enabling a uniform transmission of UTC and LT in a network. Combined with Ethernet slave clocks this master clock is a modern, intelligent and easy-to-operate system, which leaves almost nothing to be desired.

TECHNISCHE DATEN

Abmessungen Bedienmonitor	144 x 144 x 62 mm flush mounting (bemo)	Dimensions operation Monitor
Abmessungen Hauptuhr	437,5 (481) x 88 x 420 mm (hedi)	Dimensions main clock
Anzeige	digital displaying utc/lt time and date (BEMO)	Display
Genauigkeit	± 0,05 s / 24 h	Accuracy
Betriebstemperaturbereich	0°C to +50°C	Operating temperature range
Relative Luftfeuchtigkeit	Max. 90% non-condensing	Relative humidity
Gewicht	0,8 kg (BEMO) / 10,0 kg (HEDI)	Weight
Stromversorgung	100 –240 vac, 50/60 hz	Power supply
Zertifikate	CE, DIN EN 60945	Certificates
Schnittstelleneingang	GPS Protocols (\$GPRMC or \$GPZDA); PPS signal	Interface input
Schnittstellenausgang	1 x serial line (RS232/485) 1x serial line (RS232) 3x serial ines (RS422/485)	Interface output
Relaisausgang	2 potential free contactsnet ntp-lt)	relay output
Analogausgänge	4 x analogue lines (12 or 24 Volt per impulse)	Analogue outputs
Netzwerk	1 x Ethernet ipv4 ntp-utc (optional 1x ethernet ntp-lt)	Network
Zeitzonen	LT, UTC	Time zones
Zeitverstellung	± 1 min or in pre-set intervals 15/20/30/60 min	time adjustment intervals
Stromaufnahme	Max. 1,5A	Current consumption

TECHNICAL DATA

NETWORK MASTER CLOCK OVERVIEW



**WEMPE NETWORK MASTER CLOCK SYSTEM
WITH ETHERNET SLAVE CLOCK POE WITH ENIV3**

Secondary IP-Clock (ENIv3), Version 3 2016.09-				
Specifications				
Ethernet	IEEE PoE 802.3af IPv4/IPv6		Production time	2016.09 -
Connector	RJ-45, 10BASE-T/100BASE-TX		Temperature range	0 to 50°C
Serial interface output	1x RS422 (NMEA)		Weight	48g PCB
Analogue output	2 analogue outputs for a double movement or one single movement 12V/24V max. 20mA		Dimensions(PCB)	87x53x29mm
Analogue impulses	sec. / sec. / min. / min. pulses			
Power supply	48V / 5W Power over Ethernet or 24V stabilised			
Communication with Master Clock				
Ethernet time protocol and device monitoring	NTP client and ENIv1 compatible		VLAN support	Yes
Ethernet transmission	Unicast and ENIv1 compatible		VLAN (dynamic) support	Yes
DHCP support	Yes		Master Clock 20100 comp.	Yes
PCB status LEDs	Yes, switched on/off		Master Clock 20101 comp.	Yes
			Master Clock 20102 comp. (redundant system)	Yes
Administration and Monitoring				
Master Clock via web interface	Configuration / Monitoring		ENI web interface	Yes
MS Windows 'ENI-Config-Tool'	Configuration for installer		Monitoring by SNMP	Yes