



QW-TIME III ETH



General description

Westerstrand NTP server in the QW-Time series can act as primary NTP server or as NTP client. Standard time NTP protocols are used for time distribution and SNMP for alarms and monitoring. The following protocols are supported: NTP versions 1, 2 and 3, RFC1305, SNTP, RFC 1769, Telnet (RFC 854), http and SNMP v1 Enterprise MIB (RFC 1155 - 1157). Our QW-Time server can also be used to control traditional slave clocks and is available with relay outputs.

Westerstrand's NTP client for Windows XP / 7/8/10, New ToP, included. Option for remote control is WEBO and QW3Control

Characteristics

- Fully automatic summer / winter time and pre-programmed calendar.
- Easy to program, easy to read, backlit, display gives instructions in plain text and asks questions that are answered with YES or NO.
- For extra high time accuracy is signal receiver for time signal type DCF or GPS available.
- LED indicator for "power on", minute impulse output, alarm and receiving time signal.
- Ethernet network module for time distribution (NTP) and control / remote monitoring (SNMP) over networks.
- Minute impulse output, seconds impulse output with high and reliable accuracy.
- 72 hours impulse memory.
- After a power failure the connected slave clocks are automatically reset by rapid impulses.
- In case of short circuiting on the slave clock line, resetting of the connected Slave Clocks are automatically made.

PROGRAMMER MASTER CLOCK

- From 2 up to 4 relay outputs.
- Manual 3-pos switch for relay output, ON / OFF / AUTOMATIC.
- 800 signal points (control functions) can be programmed over the relay outputs.
Repeating daily function on a certain output only requires 1 signal point.
- ON/OFF and signal/pulse 1-99 secs. can be programmed for day, week, year or to follow a schedule.
- ON/OFF and signals can be programmed for one or several schedules for example school- and working hours.
- Astronomic twilight function for controlling of illumination without separate sensor.
- Programming of seconds.
- Block programming

WDP-Q Ethernet

Type	Art. No.	Imp.	Max load	Relay	Power	Dimensions BxHxD	Weight (KG)
WDP-Q	123312-01	MIN	1 A	-	230VAC	200x160x103	1,6
WDP-Y2	123342-01	MIN	1 A	2•	230VAC	200x160x103	1,7
WDP-Y4	123347-01	MIN	1 A	4•	230VAC	290x217x143	1,8

-) Potential free relay contacts(changing)

Accessories/options

- Radio receiver DCF-77
- Radio GPS
- Running reserve 500mAh, approx. 7 h (built-in) only WDP-Y4
- Running reserve 2,0 Ah (separate case)
- Web0 and QW3 Control remote control software

Technical data

Accuracy	0,1 Sec./24 hours (at +22°C, without external synchronisation)
Running reserve	Real time clock 72 hours (Back-up Super capacitor)
Impulse output	<ul style="list-style-type: none">• Impulse type• Time format• Impulse duration Selectable 1/1-Min., ½-Min.- or 1/1-Sec or Time Code (TC) LT, UTC, NT 1/1-Min and ½-Min. = selectable 1-10 seconds 1/1-Sec.= selectable 0,1 - 1,0 seconds
Impulse voltage	24 V DC max load 1A.
Protocols supported	NTP version 1,2,3 RFC 1769
Other supported protocols	Telnet (RFC 854) SNMP v1 Enterprise MIB(RFC 1155-1157)
Transport protocol	TCP/IP
Compatibility	Ethernet version 2/IEEE 802.3
Ethernet	Supports 10/100BASE-T (RJ45)
NTP client software	NyToP freeware manual 1672
Application software	QW3 control art nr 123396-00 (option)
Configuration	Webbased or Telnet
Connection voltage	230 V -5% +10%
Connection effect	30VA
Ambient temperature	0 C° to + 40 C°
Relative humidity	Max 85% non condensing
CE-approvalEMC	Emission enl. EN61000-6-2, immunity according to EN61000-6-2 EN50121-4:2000
Case	IP 65, Box for wall mount, light grey ABS-plastic with transparent protection cover