



WDP-Q KNX

KNX master clock which can transmit time and date to synchronize slave clocks. The clock is configured with ETS4/ETS5.

General

The Westerstrand KNX system master clock synchronizes slave clocks over the KNX bus. The master clock transmits time and date with an interval configurable with ETS4/5 and will also respond to time requests. Both UTC and local time can be transmitted and be used at the same time with different group addresses. WDP-Q KNX can be synchronized through GPS, DCF or from another master clock on the KNX-bus.

The clock can also be used to synchronize slave clocks through minute impulses. Fully automatic correction of summer/winter time and pre-programmed calendar.

Time Switching

The WDP-Q KNX has 8 switching KNX outputs that can be programmed using the clock interface. ON/OFF can be programmed for day, week, year or to follow a schedule.

The outputs can be programmed for one or several schedules, for example school and working hours.

Output group objects:

1. Date and time (Local), datapoint type 19.001
2. Date and time (UTC), datapoint type 19.001
3. Time (Local), datapoint type 10.001
4. Time (UTC), datapoint type 10.001
5. Date (Local), datapoint type 11.001
6. Date (UTC), datapoint type 11.001
9. Timeout Alarm, datapoint type 1.005
- 10-17: Switching outputs 1-8, datapoint 1.001

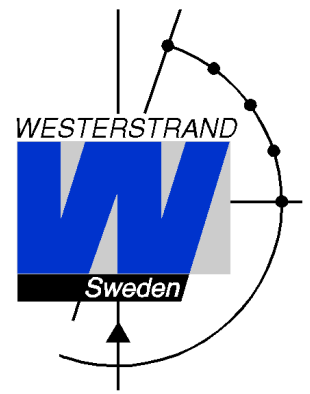
Input group objects:

7. Time synchronization input, datapoint type 19.001
8. Time request, datapoint type 1.001

Parameters:

- SCLOMode (Read only)
- SystemClockHeartbeat – Time transmission interval
- EnableSystemClockSetting – Enable synchronisation from the KNX bus
- EnableTimeoutAlarm – Send synchronisation timeout alarm on bus.





WDP-Q KNX

Technical data

Time accuracy: 0,1 sec./24 h. (at +20°C).
Temperature range: 0°C to +40°C.
Humidity: 0-95% non-condensing
Supply voltage: 230 V 50 Hz -5% +10%
Power consumption: Max 30W

Housing

Material: ABS
Protection class: IP20
Size: 190x160x103mm

KNX bus electrical safety: SELV DC 29V
KNX bus connector: 2-pole screw terminal
KNX bus current consumption: 10mA
Rated insulation voltage Ur: $\geq 250V$
Rated impulse voltage: 4kV
Overvoltage category: III
Pollution degree: 2
Usage class: B
Intended use: Indoor, wall mount

We reserve the right to make changes at any time.