Operating Modes
technologies appropriate for any task

	Function	Advantages
Synchronous clocks, mains operation 230 VAC/50 Hz Item No. starts with 21. ...	Accuracy is dependent on the frequency of the mains power grid, synchronous clocks are accurate at exactly 50 Hz. When mains power is lost, clocks will stop. Setting and changing the time indication are manual. Operating voltage: 230 VAC/50 Hz.	■ sturdy, long-life movement ■ easy to install ■ no battery to change ■ second hand included
Quartz clocks, battery operation 1.5 V Item No. starts with 41. ... or with 44. ... (soundless type)	Accuracy is determined by an oscillating crystal. Average deviation is less than +/- 1 second/day. Setting and changing the time indication are manual. Operating voltage: 1.5 V.	■ independent of mains power ■ next to no malfunctions ■ most cost-effective type ■ second hand included
Quartz clocks, mains operation 230 VAC/50 Hz Item No. starts with 42. ...	Accuracy is determined by an oscillating crystal. Average deviation is less than +/- 1 second/day. Setting and changing the time indication are manual. Operating voltage: 230 VAC/50 Hz.	■ easy to install ■ no battery to change
DCF77 radio controlled clocks, battery operation 1.5 V Item No. starts with 51. ...	Synchronised by the DCF77 time signal radio transmitter in Mainflingen near Frankfurt/Main, time is always accurate to the split second. Time adjustment and changeover to summer/winter time are fully automatic. Operating voltage: 1.5 V.	■ uniform time indication ■ adjustment and changeover to summer/winter time fully automatic ■ mains-independent operation ■ second hand up to 400 mm diam. included
DCF77 radio controlled clocks, mains operation 230 VAC/50 Hz (partly with power outage reserve) Item No. starts with 52. ...	Same mode of operation as battery operated DCF77 radio controlled clocks. When mains power is lost, clocks will stand still (clocks with power outage reserve will continue to operate). After return of power, the clocks will automatically return to accurate time. Operating voltage: 230 VAC/50 Hz.	■ uniform time indication ■ adjustment and changeover to summer/winter time fully automatic ■ maintenance-free (no battery to change) ■ second hand up to 400 mm diam. included
Slave clocks, 12–60 V minute pulse Item No. starts with 71. ...	Slave clocks to be connected to a master clock. Control is by polarity alternating minute pulse. Presetting and changing of time indication are manual. Operating voltage: 12/24/48/60 V minute pulse.	■ uniform time indication ■ solid, dependable, tried-and-true movement technology ■ most cost-effective slave clock system
Slave clocks, 12/24 V minute/second pulse Item No. starts with 72. ... or with 73. ... (soundless type)	Slave clocks to be connected to a master clock with at least 2 slave clock lines. Control is by polarity alternating minute and second pulses. Presetting and changing of time indication are manual. Operating voltage: 12/24 V minute and second pulse.	■ uniform time indication ■ solid, dependable, tried-and-true movement technology ■ second hand included
Slave clocks, 12/24 V minute pulse with synchronous second hand 230 VAC/50 Hz Item No. starts with 74. ...	Slave clocks to be connected to a master clock. Control is by polarity alternating minute pulse. Second hand separately operated by 230 VAC mains power. Presetting and changing of time indication are manual. Operating voltage: 12/24 V min. pulse and 230 VAC.	■ uniform time indication ■ Large, highly visible second hands feasible for clock faces up to 800 mm diameter (as known from railway station clocks)
Slave clocks, 12/24 V second pulse Item No. starts with 75. ...	Slave clocks to be connected to a master clock. Control is by polarity alternating second pulse. Presetting and changing of time indication are manual. Operating voltage: 12/24 V second pulse.	■ uniform time indication ■ solid, dependable, tried-and-true movement technology ■ second hand included
Slave clocks *DCFport24* 12/24 V pulse telegram Item No. starts with 81. ...	Slave clocks to be connected to a PEWETA type series 920 master clock. Control is by *DCFport24* time telegrams. Presetting and changing of time indication are always automatic. Operating voltage: 12/24 V *DCFport24* telegram.	■ uniform time indication ■ time adjustment fully automatic ■ simple setup for initial operation ("plug-and-play") ■ second hand up to 400 mm diam. included
Slave clocks *DCFport24* pulse telegram, 230 VAC/50 Hz mains operation Item No. starts with 83. ...	Same mode of operation as 12/24 V *DCFport24* slave clocks. When mains power is lost, clocks will stand still. After return of power, the clocks will automatically return to accurate time. Operating voltage: *DCFport24* (24 V) and 230 VAC.	■ uniform time indication ■ time adjustment fully automatic ■ simple setup for initial operation ("plug-and-play") ■ second hand up to 400 mm diam. included
Slave clocks *AirPort24* radio telegram, 1.5 V battery operation Item No. starts with 84. ...	Control is carried out by *AirPort24* radio telegram emitted by a PEWETA *AirPort24* radio transmitter. Presetting and changing of time indication are always automatic. Operating voltage: 1.5 V.	■ uniform time indication ■ time adjustment fully automatic ■ simple, cost-effective setup ■ independent of mains power ■ second hand up to 400 mm diam. included
Slave clocks, *AirPort24* radio telegram, 230 VAC/50 Hz mains operation (partly with power outage reserve) Item No. starts with 85. ...	Same mode of operation as battery controlled *AirPort24* clocks. When mains power is lost, clocks will stand still (clocks with power outage reserve will continue to operate). After return of power, the clocks will automatically return to accurate time. Operating voltage: 230 VAC/50 Hz.	■ uniform time indication ■ time adjustment fully automatic ■ simple, cost-effective setup ■ maintenance-free (no battery to change) ■ second hand up to 400 mm diam. included
Slave clocks, NTP synchronisation via LAN power supply by PoE Item No. starts with 91. ...	Slave clocks with RJ45 connection. Automatic time takeover from LAN. An NTP time server is required as a time emitter. Operating voltage: PoE (Power over Ethernet).	■ uniform time indication ■ time adjustment fully automatic ■ time zone adjustable per clock at any time ■ second hand up to 400 mm diam. included
Slave clocks, NTP synchronisation via LAN 230 VAC/50 Hz mains operation Item No. starts with 93. ...	Slave clocks with RJ45 connection and separate power supply. Automatic time takeover from LAN. An NTP time server is required as a time emitter. Operating voltage: 230 VAC/50 Hz.	■ uniform time indication ■ time adjustment fully automatic ■ time zone adjustable per clock at any time ■ second hand up to 400 mm diam. included

Operating modes
functions and advantages