

275313S01 CLOCK SYSTEMS - GPS Wireless Clock and Bell System

1. GENERAL

The University of Kentucky has a wireless campus wide clock synchronization system which includes two GPS time corrected signal transmitters, indicating clocks and tone generators with receiving antennas. All clocks provided to the University of Kentucky shall be compatible with the existing Primex CommandPoint 72XR series transmitter system.

2. TRANSMITTER

The existing transmitters are Primex Wireless CommandPoint 72XR series. All transmitters added on the UK Campus shall be compatible with and work in harmony with the existing clock transmitters. Transmitters shall obtain current atomic time from at least three satellites. The system shall transmit the correct time and schedules to all clocks and secondary devices in the system on a schedule determined by the University of Kentucky PPD Manager of Electrical Services. Schedules are maintained on Primex Wireless CommandPoint 72XR transmitter using the Primex Wireless Scheduler software. Transmitters, repeaters and secondary devices shall be installed on an as needed basis. Contact University of Kentucky PPD Electrical Services for details.

3. CLOCKS

1. Basic clock shall be 12-1/2 inch (317.5mm) diameter analog clock, 120 VAC, Primex Model 14306 or equal.
2. Additional colors, finishes, and dial faces are available from manufacturer and shall be approved by the University project manager before purchase. Battery operated or 24 VAC models will only be accepted in special circumstances and must have written approval by University of Kentucky Project Manager.
3. Clocks shall be capable of automatically adjusting for daylight saving time and standard time.
4. If power is interrupted, the 120 VAC clock will stop until power resumes. Upon resumption of power, the clock shall automatically reset to the current time per the correction schedule program.

4. WIRELESS TONE GENERATORS

1. The system shall not require wiring from the transmitter to the wireless tone generators.
2. Wireless Tone Generators shall activate a relay closure and/or send an audio tone to an existing bell system and/or an existing PA-type announcement system.

NOTE:

1. University Physical Plants may utilize the University's "Wireless Timekeeping Price Contract"
2. Medical Center PPD standard is the Primex IP Network system or equal.