



GPS ANTENNA SYSTEM

(For the MTC-xxx Series Master Clocks)

MidWest Time Control's GPS Antenna System receives data from the Global Positioning Satellites and uses this information to set the Time, Day, and Date on the MTC-xxx Series Master Time Clocks. This Time and Date information is traceable to the National Bureau of Standards. This provides an effective method of synchronizing the time at different locations or multiple buildings.

The Global Positioning Satellites were originally developed by the Department of Defense. The information has been made available for commercial use in navigation and positioning.

The MidWest Time Control System provides an antenna housed in a weatherproof enclosure that is easily mounted. The antenna requires a relatively unobstructed view of the sky. The Master Clock includes all of the hardware and software needed to convert this data and set the Time, Day, and Date. The user input needed is to set the proper Time Zone on initial installation. This information is provided on a map supplied with the system.

The Master Clock incorporates all of the standard features of the MTC-xxx series. This includes secondary clock correction and output circuits for signaling or scheduling.

