



## GPS Option (MTC-200, 400, 600)

The GPS Antenna Option receives data from the Global Positioning Satellites and sends this data to the Master Clock. The Master Clock reads this data each 10 minutes at xx:x4:22. If the data is valid, the Master Clock will set the Time and Date.

The only user setup is to set the Time Zone information. This is the number of hours difference between GMT and the location of the Master. This number is for when the Master is setup taking DST into account. The following are the numbers to be entered:

Time Zone	Summer (DST ON)	Winter (DST Off)
Eastern	4	5
Central	5	6
Mountain	6	7
Pacific	7	8

### Procedure

STEP	PRESS	INDICATION	COMMENT
1		PROGRAM CONTROL	Enter Access Code (ENTER, BACK, CANCEL, BACK)
2	AHEAD/BACK		Set Time Zone Number (Indicated in the Hours Position)
3	ENTER		Return to Normal Operation

**Note:** The number indicated in the Minutes Position is the number of times that the Master Clock has tried to read the GPS Antenna and was not successful. The maximum is 99. When the time is manually set on the master clock, this number is set to 99.

Under normal conditions, the GPS Antenna will receive a usable signal after 20 to 30 minutes of continuous operation.

### GPS Antenna Mounting:

For optimum performance, the antenna should be mounted outside with a relatively unobstructed view of the sky. The Red index mark should be aligned to the North.