

THE SOLAR CHARGE CONTROLLER WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C.

FLASHER

THE FLASHER SHALL BE SOLID STATE, 2 CIRCUIT DEVICE WHICH CONTROLS THE FLASHING SEQUENCE OF THE BEACON. THE FLASHER WILL HAVE A SELECTABLE FLASH RATE OF 35-70 FLASHES PER MINUTE AND WILL FLASH A DUTY CYCLE OF 50% ON AND 50% OFF.

THE FLASHER WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C.

3. 2-WAY PAGING TIME CLOCK

THE 2-WAY PAGING TIME CLOCK WILL CONTAIN BOTH THE CAPABILITY OF RECEIVING PAGES FROM A CENTRAL LOCATION AND RESPONDING VIA EMAIL TO A DESIGNATED ADDRESS. THE 2-WAY PAGING TIME CLOCK WILL BE ABLE TO RECEIVE AND STORE AN ANNUAL PROGRAM OF UP TO 960 CHARACTERS INCLUDING STEPS AND EXCEPTIONS, AN ALTERNATE PROGRAM, AND AN IMMEDIATE PROGRAM. THE 2-WAY PAGING TIME CLOCK WILL SELECT THE APPROPRIATE PROGRAM AND/OR EXCEPTION FOR TODAY AND WILL RUN THAT PROGRAM. THE 2-WAY PAGING TIME CLOCK WILL ALSO HAVE THE CAPABILITY OF BEING PROGRAMMED VIA A KEY PAD ON THE TIME CLOCK.

THE 2-WAY PAGING TIME CLOCK WILL CONTAIN WATCH DOG CIRCUITS TO ENSURE THAT THE CLOCK RESETS ITSELF SHOULD IT FAULT FOR A PERIOD GREATER THAN SPECIFIED. THE CLOCK WILL CONTAIN 2 OUTPUT CIRCUITS, EACH CIRCUIT RATED AT 16 AMPS. THE CLOCK WILL BE CAPABLE OF BEING POWERED BY EITHER DC OR AC POWER. THE CLOCK WILL CONTAIN NON-VOLATILE MEMORY SO THAT A POWER FAILURE WILL NOT ERASE THE PROGRAM. THE CLOCK WILL HAVE CAPACITIVE BACKUP POWER RATED AT 168 HOURS IN THE EVENT OF POWER FAILURE. THE CLOCK WILL BE CAPABLE OF LEAP YEAR COMPENSATION AND WILL AUTOMATICALLY COMPENSATE FOR DAYLIGHT SAVINGS TIME.

SYSTEM SOFTWARE WILL BE PROVIDED FOR OPERATION OF THE SYSTEM. FUNCTIONS AND FEATURES OF THE SOFTWARE ARE DESCRIBED IN SECTION 3.1.

THE 2-WAY PAGING TIME CLOCK WILL BE CAPABLE OF OPERATING IN A TEMPERATURE RANGE OF -40 DEGREES C AND +85 DEGREES C

3.1 2-WAY PAGING SYSTEM SOFTWARE

THE 2-WAY PAGING SYSTEM SOFTWARE WILL RUN ON A STANDARD PC USING A WINDOWS 2000, XP, OR VISTA OPERATING SYSTEM.

THE SOFTWARE WILL HAVE THE CAPABILITY TO ASSIGN 99 GROUPS WITH 99 UNITS PER GROUP. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN ANNUAL PROGRAM WITH EXCEPTIONS FOR EACH GROUP AND WILL ALLOW THE USER TO COPY PROGRAMS FROM ONE GROUP TO ANOTHER GROUP. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN ALTERNATE PROGRAM WHICH OVERRIDES THE ANNUAL PROGRAM FOR A SPECIFIED PERIOD. THE SOFTWARE WILL ALLOW THE USER TO CREATE AN IMMEDIATE EXECUTABLE PROGRAM WHICH OPERATES ONLY ON THE DATE OF THE PROGRAM. THE SOFTWARE WILL ALSO ALLOW THE USER TO CONTROL THE CLOCK MANUALLY.

THE SOFTWARE WILL ALLOW THE USER TO PRINT A HARDCOPY LISTING OF ALL SCHOOL PROGRAMS. IT WILL ALLOW THE USER TO PRINT A LISTING OR ALL REMOTE SITES. IT WILL MAINTAIN A HISTORY OF THE LAST 500 PAGE MESSAGES SENT TO REMOTE UNITS.

THE SOFTWARE WILL ALLOW THE USER TO ADDRESS AND SEND A PAGE MESSAGE TO ALL UNITS WITH ONE COMMAND, ANY GROUP OF UNITS WITH ONE COMMAND, OR A SINGLE UNIT WITH ONE COMMAND.



CITY OF PUYALLUP

DEVELOPMENT ENGINEERING and PUBLIC WORKS DEPARTMENTS

SOLAR POWERED SCHOOL ZONE FLASHING BEACON SYSTEM NOTES

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