Time and operation counter (AC/DC version)

BK Software
Version 3

Reset time and operations
jumper

PIC16F628A
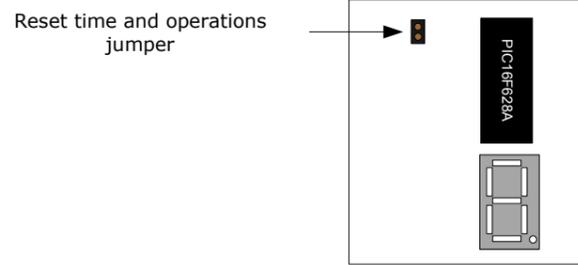
This construction can be used for measuring operating time and counting the times the power has been switched on and off. When the power is switched on it counts one operation and the time starts counting. When the power is switched off it stops and all the values are stored in the eeprom. It can be reset in the following way: connect the jumper, switch the power on, wait for the center led (minus sign) to light up, switch the power off and then remove the jumper. Next time the power is switched on it will start from the beginning.

The max operating time is 9999 hours, 59 minutes and 59 seconds. When the time exceeds the maximum it will automatically reset and start from 0 hours, 0 minutes and 0 seconds.

The max number of operations is 9999. When the number of operations exceeds the maximum it will automatically reset and start from 0 operations.

When the power is switched on the display will flash on and off every half second showing different valules. The sequence is as illustrated below:

Firmware version u

03

Operations o

100

Operating time t

0050 hours

08 minutes

12 seconds