



When initially plugged in, or after a power outage long enough to completely drain the backup capacitor, the clock will flash “2” until the time has been set. (It may take a minute before both the “1” and “2” light fully, please be patient while the backup capacitor is charging.) The clock has several minutes of reserve power, so a brief outage or moving the clock to a different outlet is not a problem.

Lifting the center SET switch enters setting mode, starting with the hours. Additional uses of the SET switch step through the settable values in the table below. The display will alternate between a label (composed of two overlapped digits) and a 1-3 digit value. The two pushbuttons will increase (right) or decrease (left) the displayed value. Pressing both buttons simultaneously increases the value by 20. All three switches will auto-repeat at a rate of twice per second if held.

LABEL	DESCRIPTION		RANGE		
1	Hours	Always entered in 24 hour format - add 12 to hours after noon	0-23		
2	Minutes	Changing the minutes will reset the seconds to zero	0-59		
3	Month		1-12	Settings from Month on down are non-volatile	
4	Day		1-31		
5	Century		20-99		
6	Year		0-99	ORIG. VALUE	YOUR VALUE
2	Normal display mode	Add together any of the following values: 1 - hours & minutes 2 - seconds 4 - month & day 8 - year	0-15	3	
3	Display mode when right button pushed		0-15	8	
4	Display mode when left button pushed		0-15	4	
5	Display options	Add together any of the following values: 1 - 24 hour time format 2 - day before month 4 - year before date	0-7	0	
3	Duration of digits	Units are 1/120 second	25-240	55	
4	Gap between digits	Units are 1/120 second	0-60	5	

▲ Lifting the SET switch one more time will exit setting mode.

The clock will also exit setting mode automatically after several minutes of inactivity.

This is the label on the bottom of the clock:

<p>↑ ↑ ↑ DOWN SET UP └── Both: Add 20 ─┘</p>	
<p>Nixie Clock type 1a #2 http://pobox.com/~JasonHarper/Nixie1a.html JasonHarper@pobox.com</p>	
0 Hours	TIME SETTING SUMMARY
0 Minutes	
0 Month	
0 Day	
0 Century	
0 Year	
2 Normal	1 hours & mins
3 Right	2 seconds
4 Left	4 month & day
5 Options	8 year
3 Digit time	1 24 hour time
2 Gap time	2 day < month
	4 year < date
<p>TUBE REPLACEMENT: The Nixie can be replaced with types 5031, 5092, 6844, 8037, or 8421 (however some of these may have a flatter front than the original tube). The other three tubes are not actually used.</p>	