

# BIO-ZYME

## DigiDoser 10

### Operating Manual

The **BIO-ZYME DigiDoser** has a built in seven day programmable clock and a programmable dose controller. It enables the user to programme an almost infinite number of dose variations.

You can programme the **DigiDoser** to add the right amount of **BIO-ZYME** to the Grease Converter in any time sequence at regular or irregular intervals throughout a day, every day or just certain days of the week.

You can press the button on the front at any time (providing the power is on) to manually add an extra dose. By pressing the button from one to ten times you can manually add up to a ten times dose if and when desired.

The red LED flashes when power is being supplied to the pump. It flashes corresponding to the number of times the button has been pushed. E.g. if you push the button three times it repeats a flash, flash, flash, off sequence until it stops. To avoid an unintentional overdose leave about a second between each button push.



# BIO-ZYME DigiDoser 10

## Operating Manual

The **BIO-ZYME DigiDoser 10** is factory set to dose 100mL of **BIO-ZYME** once a day, every day at 1:00a.m.

If you want to change the time the power supply comes on follow the instructions in the “HPM 7-DAY DIGITAL TIMER” instruction sheet. **Turn the power supply off before removing the lid.** The lid is quite heavy so take care.

If you want to alter how much it doses:

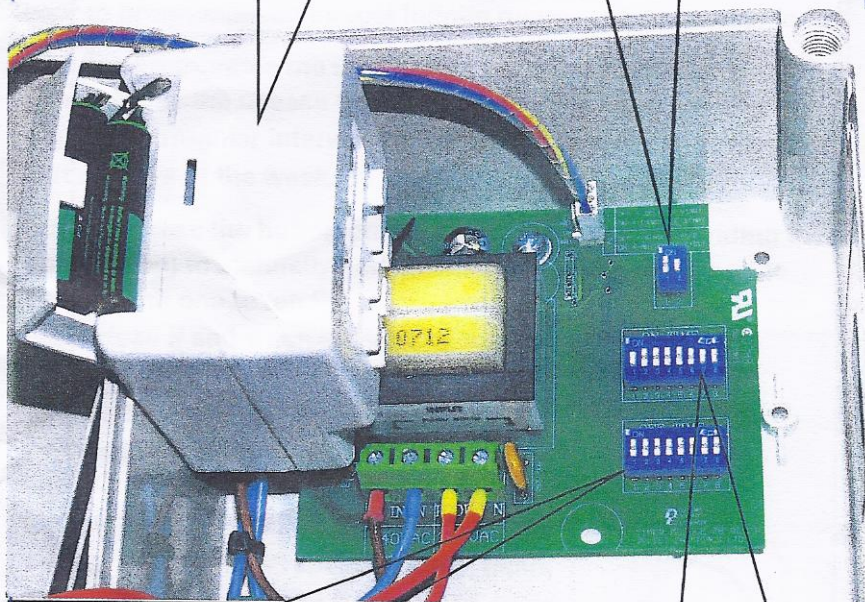
1. **Turn the power supply off** and remove the lid - be careful as it is quite heavy.
2. Find the mL you want the **DigiDoser** to dose in the “ON TIME SWITCH SETTING CHART” and note the switch settings. E.g. to dose 120mL put switches 1, 2, 4, 5, & 6 in the ON position and put switches 3, 7 & 8 in the OFF position.
3. Reattach the lid and turn the power supply on.

**!! NEVER OPEN THE BOX WITHOUT !!  
!! TURNING THE POWER OFF !!!**

**The 7 DAY DIGITAL CLOCK  
showing the back-up batteries.**

**These switches set:**

- immediate start
- delayed start
- single cycle
- multi cycle



**These switches set the OFF TIME.**

**These switches set the ON TIME.**

# BIO-ZYME

## Digidoser 10

### Combined

### ON SWITCH

### Time Settings

and

### Dose Chart

Peripuma 10 - dose per switch setting

DOSE ml	SWITCH SETTING ON TIME								TIME sec min	
	1	2	3	4	5	6	7	8		
258	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	387	6.45
260	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	390	6.50
262	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	393	6.55
264	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	396	6.60
266	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	399	6.65
268	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	402	6.70
270	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	405	6.75
272	ON	ON	ON	OFF	OFF	OFF	OFF	ON	408	6.80
274	OFF	OFF	OFF	ON	OFF	OFF	OFF	ON	411	6.85
276	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	414	6.90
278	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	417	6.95
280	ON	ON	OFF	ON	OFF	OFF	OFF	ON	420	7.00
282	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	423	7.05
284	ON	OFF	ON	ON	OFF	OFF	OFF	ON	426	7.10
286	OFF	ON	ON	ON	OFF	OFF	OFF	ON	429	7.15
288	ON	ON	ON	ON	OFF	OFF	OFF	ON	432	7.20
290	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	435	7.25
292	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	438	7.30
294	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	441	7.35
296	ON	ON	OFF	OFF	ON	OFF	OFF	ON	444	7.40
298	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	447	7.45
300	ON	OFF	ON	OFF	ON	OFF	OFF	ON	450	7.50
302	OFF	ON	ON	OFF	ON	OFF	OFF	ON	453	7.55
304	ON	ON	ON	OFF	ON	OFF	OFF	ON	456	7.60
306	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	459	7.65
308	ON	OFF	OFF	ON	ON	OFF	OFF	ON	462	7.70
310	OFF	ON	OFF	ON	ON	OFF	OFF	ON	465	7.75
312	ON	ON	OFF	ON	ON	OFF	OFF	ON	468	7.80
314	OFF	OFF	ON	ON	ON	OFF	OFF	ON	471	7.85
316	ON	OFF	ON	ON	ON	OFF	OFF	ON	474	7.90
318	OFF	ON	ON	ON	ON	OFF	OFF	ON	477	7.95
320	ON	ON	ON	ON	ON	OFF	OFF	ON	480	8.00
322	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	483	8.05
324	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	486	8.10
326	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	489	8.15
328	ON	ON	OFF	OFF	OFF	ON	OFF	ON	492	8.20
330	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	495	8.25
332	ON	OFF	ON	OFF	OFF	ON	OFF	ON	498	8.30
334	OFF	ON	ON	OFF	OFF	ON	OFF	ON	501	8.35
336	ON	ON	ON	OFF	OFF	ON	OFF	ON	504	8.40
338	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	507	8.45
340	ON	OFF	OFF	ON	OFF	ON	OFF	ON	510	8.50
342	OFF	ON	OFF	ON	OFF	ON	OFF	ON	513	8.55
344	ON	ON	OFF	ON	OFF	ON	OFF	ON	516	8.60
346	OFF	OFF	ON	ON	OFF	ON	OFF	ON	519	8.65
348	ON	OFF	ON	ON	OFF	ON	OFF	ON	522	8.70
350	OFF	ON	ON	ON	OFF	ON	OFF	ON	525	8.75
352	ON	ON	ON	ON	OFF	ON	OFF	ON	528	8.80
354	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	531	8.85
356	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	534	8.90
358	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	537	8.95
360	ON	ON	OFF	OFF	ON	OFF	OFF	ON	540	9.00
362	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	543	9.05
364	ON	OFF	ON	OFF	ON	OFF	OFF	ON	546	9.10
366	OFF	ON	ON	OFF	ON	OFF	OFF	ON	549	9.15
368	ON	ON	ON	OFF	ON	OFF	OFF	ON	552	9.20
370	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	555	9.25
372	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	558	9.30
374	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	561	9.35
376	ON	ON	OFF	OFF	ON	OFF	OFF	ON	564	9.40
378	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	567	9.45
380	ON	OFF	ON	OFF	ON	OFF	OFF	ON	570	9.50
382	OFF	ON	ON	OFF	ON	OFF	OFF	ON	573	9.55
384	ON	ON	ON	OFF	ON	OFF	OFF	ON	576	9.60

Peripuma 10 - dose per switch setting

DOSE ml	SWITCH SETTING ON TIME								TIME sec min	
	1	2	3	4	5	6	7	8		
386	OFF	OFF	OFF	OFF	OFF	OFF	OFF	ON	579	9.65
388	ON	OFF	OFF	OFF	OFF	OFF	OFF	ON	582	9.70
390	OFF	ON	OFF	OFF	OFF	OFF	OFF	ON	585	9.75
392	ON	ON	OFF	OFF	OFF	OFF	OFF	ON	588	9.80
394	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	591	9.85
396	ON	OFF	ON	OFF	OFF	OFF	OFF	ON	594	9.90
398	OFF	ON	ON	OFF	OFF	OFF	OFF	ON	597	9.95
400	ON	ON	ON	OFF	OFF	OFF	OFF	ON	600	10.00
402	OFF	OFF	ON	OFF	OFF	OFF	OFF	ON	603	10.05
404	ON	OFF	OFF	ON	OFF	OFF	OFF	ON	606	10.10
406	OFF	ON	OFF	ON	OFF	OFF	OFF	ON	609	10.15
408	ON	ON	OFF	ON	OFF	OFF	OFF	ON	612	10.20
410	OFF	OFF	ON	ON	OFF	OFF	OFF	ON	615	10.25
412	ON	OFF	ON	ON	OFF	OFF	OFF	ON	618	10.30
414	OFF	ON	ON	ON	OFF	OFF	OFF	ON	621	10.35
416	ON	ON	ON	ON	OFF	OFF	OFF	ON	624	10.40
418	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	627	10.45
420	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	630	10.50
422	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	633	10.55
424	ON	ON	OFF	OFF	ON	OFF	OFF	ON	636	10.60
426	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	639	10.65
428	ON	OFF	ON	OFF	ON	OFF	OFF	ON	642	10.70
430	OFF	ON	ON	OFF	ON	OFF	OFF	ON	645	10.75
432	ON	ON	ON	OFF	ON	OFF	OFF	ON	648	10.80
434	OFF	OFF	OFF	ON	ON	OFF	OFF	ON	651	10.85
436	ON	OFF	OFF	ON	ON	OFF	OFF	ON	654	10.90
438	OFF	ON	OFF	ON	ON	OFF	OFF	ON	657	10.95
440	ON	ON	OFF	ON	ON	OFF	OFF	ON	660	11.00
442	OFF	OFF	ON	ON	ON	OFF	OFF	ON	663	11.05
444	ON	OFF	ON	ON	ON	OFF	OFF	ON	666	11.10
446	OFF	ON	ON	ON	ON	OFF	OFF	ON	669	11.15
448	ON	ON	ON	ON	ON	OFF	OFF	ON	672	11.20
450	OFF	OFF	OFF	OFF	OFF	ON	OFF	ON	675	11.25
452	ON	OFF	OFF	OFF	OFF	ON	OFF	ON	678	11.30
454	OFF	ON	OFF	OFF	OFF	ON	OFF	ON	681	11.35
456	ON	ON	OFF	OFF	OFF	ON	OFF	ON	684	11.40
458	OFF	OFF	ON	OFF	OFF	ON	OFF	ON	687	11.45
460	ON	OFF	ON	OFF	OFF	ON	OFF	ON	690	11.50
462	OFF	ON	ON	OFF	OFF	ON	OFF	ON	693	11.55
464	ON	ON	ON	OFF	OFF	ON	OFF	ON	696	11.60
466	OFF	OFF	OFF	ON	OFF	ON	OFF	ON	699	11.65
468	ON	OFF	OFF	ON	OFF	ON	OFF	ON	702	11.70
470	OFF	ON	OFF	ON	OFF	ON	OFF	ON	705	11.75
472	ON	ON	OFF	ON	OFF	ON	OFF	ON	708	11.80
474	OFF	OFF	ON	ON	OFF	ON	OFF	ON	711	11.85
476	ON	OFF	ON	ON	OFF	ON	OFF	ON	714	11.90
478	OFF	ON	ON	ON	OFF	ON	OFF	ON	717	11.95
480	ON	ON	ON	ON	OFF	ON	OFF	ON	720	12.00
482	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	723	12.05
484	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	726	12.10
486	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	729	12.15
488	ON	ON	OFF	OFF	ON	OFF	OFF	ON	732	12.20
490	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	735	12.25
492	ON	OFF	ON	OFF	ON	OFF	OFF	ON	738	12.30
494	OFF	ON	ON	OFF	ON	OFF	OFF	ON	741	12.35
496	ON	ON	ON	OFF	ON	OFF	OFF	ON	744	12.40
498	OFF	OFF	OFF	OFF	ON	OFF	OFF	ON	747	12.45
500	ON	OFF	OFF	OFF	ON	OFF	OFF	ON	750	12.50
502	OFF	ON	OFF	OFF	ON	OFF	OFF	ON	753	12.55
504	ON	ON	OFF	OFF	ON	OFF	OFF	ON	756	12.60
506	OFF	OFF	ON	OFF	ON	OFF	OFF	ON	759	12.65
508	ON	OFF	ON	OFF	ON	OFF	OFF	ON	762	12.70
510	OFF	ON	ON	OFF	ON	OFF	OFF	ON	765	12.75
512	ON	ON	ON	OFF	ON	OFF	OFF	ON	768	12.80

This chart tells you the output of the dosing pump set by the "ON TIME" switch settings. The pump will run once every time power is supplied to it via the time clock and/or the control board. Each time the pump runs it will deliver the amount shown in the left column. It runs for the time shown in the right columns.

On the factory default setting - switches 1, 5 & 6 ON and switches 2, 3, 4, 7 & 8 OFF - the pump will run for 2 1/2 minutes and deliver 100 mL of **BIO-ZYME**.

To alter the amount of **BIO-ZYME** delivered you need to alter the ON TIME switch settings:

- find the quantity of liquid you want to pump in the "DOSE mL" column
  - set the switches as shown in the green and red boxes
- E.g. to set it to dose 120mL:
- set switches 1, 2, 4, 5 & 6 ON
  - set switches 3, 7 & 8 OFF

The time clock is set to supply power to the control board for 23 hours from 1:00a.m. every day. If you want to alter this time setting follow the steps set out in the "HPM 7 DAY DIGITAL TIMER" instruction sheet.

For all other queries contact your company sales representative.

# BIO-ZYME

## Grease Converter

PerriPump 10 - dose per switch setting

DOSE mL	ON TIME SWITCH SETTING								TIME sec min	
	1	2	3	4	5	6	7	8		
2	OFF	OFF	OFF	OFF	OFF	OFF	OFF	OFF	3	0.05
4	ON	OFF	OFF	OFF	OFF	OFF	OFF	OFF	6	0.10
6	OFF	ON	OFF	OFF	OFF	OFF	OFF	OFF	9	0.15
8	ON	ON	OFF	OFF	OFF	OFF	OFF	OFF	12	0.20
10	OFF	OFF	ON	OFF	OFF	OFF	OFF	OFF	15	0.25
12	ON	OFF	ON	OFF	OFF	OFF	OFF	OFF	18	0.30
14	OFF	ON	ON	OFF	OFF	OFF	OFF	OFF	21	0.35
16	ON	ON	ON	OFF	OFF	OFF	OFF	OFF	24	0.40
18	OFF	OFF	OFF	ON	OFF	OFF	OFF	OFF	27	0.45
20	ON	OFF	OFF	ON	OFF	OFF	OFF	OFF	30	0.50
22	OFF	ON	OFF	ON	OFF	OFF	OFF	OFF	33	0.55
24	ON	ON	OFF	ON	OFF	OFF	OFF	OFF	36	0.60
26	OFF	OFF	ON	ON	OFF	OFF	OFF	OFF	39	0.65
28	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	42	0.70
30	OFF	ON	ON	ON	OFF	OFF	OFF	OFF	45	0.75
32	ON	ON	ON	ON	OFF	OFF	OFF	OFF	48	0.80
34	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	51	0.85
36	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	54	0.90
38	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	57	0.95
40	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	60	1.00
42	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	63	1.05
44	ON	OFF	ON	ON	OFF	OFF	OFF	OFF	66	1.10
46	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	69	1.15
48	ON	ON	ON	OFF	ON	OFF	OFF	OFF	72	1.20
50	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	75	1.25
52	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	78	1.30
54	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	81	1.35
56	ON	ON	OFF	ON	ON	OFF	OFF	OFF	84	1.40
58	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	87	1.45
60	ON	OFF	ON	ON	ON	OFF	OFF	OFF	90	1.50
62	OFF	ON	ON	ON	ON	OFF	OFF	OFF	93	1.55
64	ON	ON	ON	ON	ON	OFF	OFF	OFF	96	1.60
66	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	99	1.65
68	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	102	1.70
70	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	105	1.75
72	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	108	1.80
74	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	111	1.85
76	ON	OFF	ON	OFF	OFF	ON	OFF	OFF	114	1.90
78	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	117	1.95
80	ON	ON	ON	OFF	OFF	ON	OFF	OFF	120	2.00
82	OFF	OFF	OFF	ON	OFF	ON	OFF	OFF	123	2.05
84	ON	OFF	OFF	ON	OFF	ON	OFF	OFF	126	2.10
86	OFF	ON	OFF	ON	OFF	ON	OFF	OFF	129	2.15
88	ON	ON	OFF	ON	OFF	ON	OFF	OFF	132	2.20
90	OFF	OFF	ON	ON	OFF	ON	OFF	OFF	135	2.25
92	ON	OFF	ON	ON	OFF	ON	OFF	OFF	138	2.30
94	OFF	ON	ON	ON	OFF	ON	OFF	OFF	141	2.35
96	ON	ON	ON	ON	OFF	ON	OFF	OFF	144	2.40
98	OFF	OFF	OFF	OFF	ON	OFF	OFF	OFF	147	2.45
100	ON	OFF	OFF	OFF	ON	OFF	OFF	OFF	150	2.50
102	OFF	ON	OFF	OFF	ON	OFF	OFF	OFF	153	2.55
104	ON	ON	OFF	OFF	ON	OFF	OFF	OFF	156	2.60
106	OFF	OFF	ON	OFF	ON	OFF	OFF	OFF	159	2.65
108	ON	OFF	ON	OFF	ON	OFF	OFF	OFF	162	2.70
110	OFF	ON	ON	OFF	ON	OFF	OFF	OFF	165	2.75
112	ON	ON	ON	OFF	ON	OFF	OFF	OFF	168	2.80
114	OFF	OFF	OFF	ON	ON	OFF	OFF	OFF	171	2.85
116	ON	OFF	OFF	ON	ON	OFF	OFF	OFF	174	2.90
118	OFF	ON	OFF	ON	ON	OFF	OFF	OFF	177	2.95
120	ON	ON	OFF	ON	ON	OFF	OFF	OFF	180	3.00
122	OFF	OFF	ON	ON	ON	OFF	OFF	OFF	183	3.05
124	ON	OFF	ON	ON	ON	OFF	OFF	OFF	186	3.10
126	OFF	ON	ON	ON	ON	OFF	OFF	OFF	189	3.15
128	ON	ON	ON	ON	ON	OFF	OFF	OFF	192	3.20

PerriPump 10 - dose per switch setting

DOSE mL	ON TIME SWITCH SETTING								TIME sec min	
	1	2	3	4	5	6	7	8		
130	OFF	OFF	OFF	OFF	OFF	ON	OFF	OFF	195	3.25
132	ON	OFF	OFF	OFF	OFF	ON	OFF	OFF	198	3.30
134	OFF	ON	OFF	OFF	OFF	ON	OFF	OFF	201	3.35
136	ON	ON	OFF	OFF	OFF	ON	OFF	OFF	204	3.40
138	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	207	3.45
140	ON	ON	ON	OFF	OFF	ON	OFF	OFF	210	3.50
142	OFF	ON	ON	OFF	OFF	ON	OFF	OFF	213	3.55
144	ON	ON	ON	OFF	OFF	ON	OFF	OFF	216	3.60
146	OFF	OFF	ON	OFF	OFF	ON	OFF	OFF	219	3.65
148	ON	OFF	OFF	ON	OFF	OFF	ON	OFF	222	3.70
150	OFF	ON	OFF	ON	OFF	OFF	ON	OFF	225	3.75
152	ON	ON	OFF	ON	OFF	OFF	ON	OFF	228	3.80
154	OFF	OFF	ON	ON	OFF	OFF	ON	OFF	231	3.85
156	ON	OFF	ON	ON	OFF	OFF	ON	OFF	234	3.90
158	OFF	ON	ON	ON	OFF	OFF	ON	OFF	237	3.95
160	ON	ON	ON	ON	OFF	OFF	ON	OFF	240	4.00
162	OFF	OFF	OFF	OFF	ON	OFF	ON	OFF	243	4.05
164	ON	OFF	OFF	OFF	ON	OFF	ON	OFF	246	4.10
166	OFF	ON	OFF	OFF	ON	OFF	ON	OFF	249	4.15
168	ON	ON	OFF	OFF	ON	OFF	ON	OFF	252	4.20
170	OFF	OFF	ON	OFF	ON	OFF	ON	OFF	255	4.25
172	ON	OFF	ON	OFF	ON	OFF	ON	OFF	258	4.30
174	OFF	ON	ON	OFF	ON	OFF	ON	OFF	261	4.35
176	ON	ON	ON	OFF	ON	OFF	ON	OFF	264	4.40
178	OFF	OFF	OFF	ON	ON	OFF	ON	OFF	267	4.45
180	ON	OFF	OFF	ON	ON	OFF	ON	OFF	270	4.50
182	OFF	ON	OFF	ON	ON	OFF	ON	OFF	273	4.55
184	ON	ON	OFF	ON	ON	OFF	ON	OFF	276	4.60
186	OFF	OFF	ON	ON	ON	OFF	ON	OFF	279	4.65
188	ON	OFF	ON	ON	ON	OFF	ON	OFF	282	4.70
190	OFF	ON	ON	ON	ON	OFF	ON	OFF	285	4.75
192	ON	ON	ON	ON	ON	OFF	ON	OFF	288	4.80
194	OFF	OFF	OFF	OFF	ON	ON	OFF	OFF	291	4.85
196	ON	OFF	OFF	OFF	ON	ON	OFF	OFF	294	4.90
198	OFF	ON	OFF	OFF	ON	ON	OFF	OFF	297	4.95
200	ON	ON	OFF	OFF	ON	ON	OFF	OFF	300	5.00
202	OFF	OFF	ON	OFF	OFF	ON	ON	OFF	303	5.05
204	ON	OFF	ON	OFF	OFF	ON	ON	OFF	306	5.10
206	OFF	ON	ON	OFF	OFF	ON	ON	OFF	309	5.15
208	ON	ON	ON	OFF	OFF	ON	ON	OFF	312	5.20
210	OFF	OFF	OFF	ON	OFF	ON	ON	OFF	315	5.25
212	ON	OFF	OFF	ON	OFF	ON	ON	OFF	318	5.30
214	OFF	ON	OFF	ON	OFF	ON	ON	OFF	321	5.35
216	ON	ON	OFF	ON	OFF	ON	ON	OFF	324	5.40
218	OFF	OFF	ON	ON	OFF	ON	ON	OFF	327	5.45
220	ON	OFF	ON	ON	OFF	ON	ON	OFF	330	5.50
222	OFF	ON	ON	ON	OFF	ON	ON	OFF	333	5.55
224	ON	ON	ON	ON	OFF	ON	ON	OFF	336	5.60
226	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	339	5.65
228	ON	OFF	OFF	OFF	ON	ON	ON	OFF	342	5.70
230	OFF	ON	OFF	OFF	ON	ON	ON	OFF	345	5.75
232	ON	ON	OFF	OFF	ON	ON	ON	OFF	348	5.80
234	OFF	OFF	ON	OFF	ON	ON	ON	OFF	351	5.85
236	ON	OFF	ON	OFF	ON	ON	ON	OFF	354	5.90
238	OFF	ON	ON	OFF	ON	ON	ON	OFF	357	5.95
240	ON	ON	ON	OFF	ON	ON	ON	OFF	360	6.00
242	OFF	OFF	OFF	OFF	ON	ON	ON	OFF	363	6.05
244	ON	OFF	OFF	OFF	ON	ON	ON	OFF	366	6.10
246	OFF	ON	OFF	OFF	ON	ON	ON	OFF	369	6.15
248	ON	ON	OFF	OFF	ON	ON	ON	OFF	372	6.20
250	OFF	OFF	ON	ON	ON	ON	ON	OFF	375	6.25
252	ON	OFF	ON	ON	ON	ON	ON	OFF	378	6.30
254	OFF	ON	ON	ON	ON	ON	ON	OFF	381	6.35
256	ON	ON	ON	ON	ON	ON	ON	OFF	384	6.40

## TIMER DELAY FUNCTION

This feature allows you to set your appliances to stay on or off for a set time. For example, have a lamp remain off for 2 hours after you leave home and then switch on, or an electric blanket stay on for 30 minutes after you go to bed.

### Step 1

#### Setting the timer delay function

- To enter time delay mode, ensure the timer is in clock mode and press  $\nabla$ . "d<sup>min</sup>" or "d<sup>off</sup>" will be displayed in the bottom left corner.
- Press SET and ON or OFF will flash. If you want your appliance to remain on for a set time press  $\nabla$  until "ON" flashes. If you want the appliance to remain off for a set time, and then switch on, press  $\nabla$  until "OFF" flashes. Press SET to confirm and the hour will flash.
- Use  $\nabla$  or  $\blacktriangle$  to set the hours (0-99) for the time delay. Press set to confirm.
- Repeat step c. to set the minutes (0-59) and seconds (0-59)
- Press CLOCK to return to clock mode.

### Step 2

#### Using the timer delay function

- Plug the timer in to a power source, and plug an appliance into the timer. The delay function will only operate when the timer is plugged into a power outlet.
- Press the MODE button so the horizontal bar on the bottom of the LCD moves and sits above the AUTO label.
- Press the DELAY button to activate the delay function. To cancel press the DELAY button again.
- After pressing DELAY "d<sup>min</sup>" or "d<sup>off</sup>" will flash in the bottom left of the display. "d<sup>min</sup>" means the timer will remain on for the delay period programmed, "d<sup>off</sup>" means the timer will remain off for the delay period programmed, and then switch on.

## RANDOM FUNCTION

The Random Function will turn an appliance ON or OFF on an irregular basis. Listed below are the criteria governing this operation:

Minimum OFF time:	26 minutes
Maximum OFF time:	42 minutes
Minimum ON time:	10 minutes
Maximum ON time:	26 minutes

### Step 1

To activate the random function ensure that the timer is in clock mode and plugged into a power outlet.

### Step 2

Press the MODE button until the horizontal bar sits above the AUTO label.

### Step 3

Press the RND button once. The bottom left hand corner of the LCD will now show a flashing "r<sup>off</sup>". This indicates the timer is now in Random mode and it will remain in the Off condition for a period anywhere between 26 to 42 minutes. It will then switch on for a period anywhere between 10 to 26 minutes and then switch off again.

### Step 4

Pressing the RND button again will cancel the Random Function.

## DAYLIGHT SAVING (SUMMER TIME)

The Clock time can easily be changed from Standard time to Daylight Saving time and vice versa with a simple operation.

### Step 1

Press and hold the CLOCK button followed by the  $\nabla$  button to change from Standard time to Daylight Saving time. The time will advance by one hour and the letter "S" will appear on the top right hand corner of the LCD to indicate the Timer is now in Daylight Saving time.

### Step 2

Press and hold the CLOCK button again followed by the  $\nabla$  button to return the timer back to Standard time. The "S" will disappear.

### Warranty

HPM DB17/2 is warranted as here and after appears, against faulty material and/or workmanship for a period of 12 months from date of purchase. The obligation of the manufacturer, under this warranty, is limited to servicing and replacing defective parts when the unit is returned to HPM Industries, or the distributors in your state, freight pre-paid, to obtain warranty repair, the purchase receipt should be returned with the product. This warranty becomes void on any unit which has been tampered with or damaged by accident, short circuited, loaded beyond rating or otherwise by improper operation. This warranty is in addition to any warranties implied by State or Federal Legislation.

HPM Industries Pty. Ltd.

## CUSTOMER SERVICE

For all Customer Service and Technical Support  
Monday to Friday during Business Hours

HPM AUSTRALIA

Phone: 1300 369 777

Fax: 1300 369 780

Website: [www.hpm.com.au](http://www.hpm.com.au)

When calling a 1300 phone number in Australia or a 0800 number in New Zealand, the calls are charged at the cost of a local call.

HPM NEW ZEALAND

Phone: 0800 476 009

Fax: 0800 476 329

Website: [www.hpm.co.nz](http://www.hpm.co.nz)

HPM Industries Pty Ltd  
An Australian owned company  
[www.hpm.com.au](http://www.hpm.com.au)

Supply Voltage: 240V a.c.

Frequency: 50Hz

Battery: AAA size

Switching Current: 10A max

Max load: 2400W

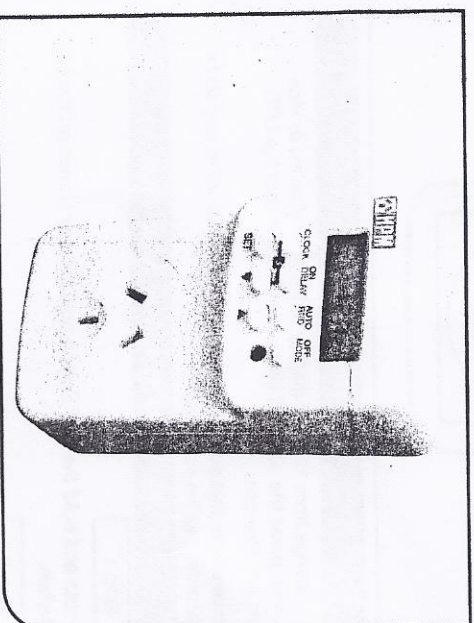


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Cat. DB17/2

# 7-DAY DIGITAL TIMER

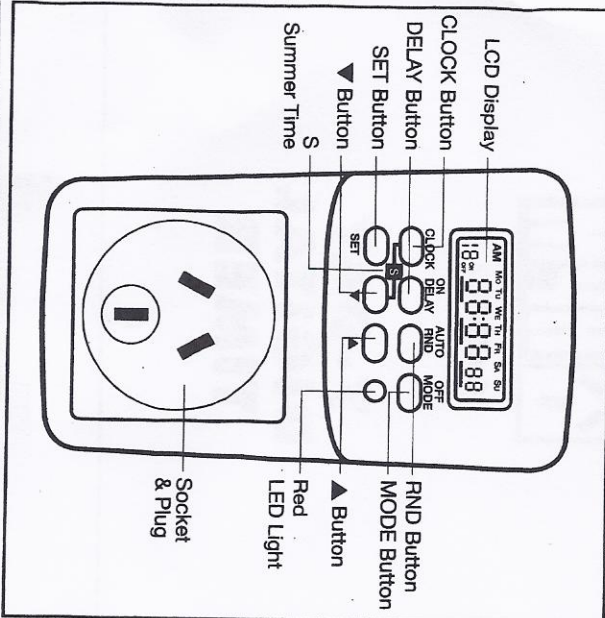


## OWNERS MANUAL

PLEASE READ ALL INSTRUCTIONS  
CAREFULLY BEFORE USE



# 7-DAY DIGITAL TIMER INSTRUCTIONS



## TIME DISPLAY

To change from 12-hour display to 24-hour display, or vice versa, press the CLOCK Button and hold it until the LCD display changes.

Please note that you can re-set this Digital Timer at any stage by removing the batteries.

## SETTING THE DAY AND TIME

**Step 1**  
Press and hold the SET Button until the day shown on the LCD flashes.

**Step 2**  
Use the ▲ and ▼ buttons to select the day of the week. When correct, press SET to confirm the selection. The hour figure on the display will flash.

**Step 3**  
Use ▼ and ▲ to select the correct hour. Press SET to confirm your selection, and the minutes figure will flash.

**Step 4**  
Use ▼ and ▲ to set the minutes. Press SET to finish setting the time. Press CLOCK to return to clock mode.

**Step 5**  
The clock can be re-set at any time by repeating steps 1 - 4. When setting the clock remember to use standard time. See Daylight Saving (Summer Time) section for details on easily switching between daylight savings (summer) time and standard time.

## SETTING THE TIMER

There are 14 different programme blocks that can be set.

**Step 1**  
To select the first block make sure the timer is displaying the current time and press ▲ once. "1<sup>ON</sup>" will appear in the bottom left corner.

**Step 2**  
Press SET to enter programming mode. The days of the week at the top of the LCD screen will flash.

**Step 3**  
Press ▲ or ▼ to scroll through the day of the week setting options. The day of the week setting options are listed below:

- MO TU WE TH FR SA SU (the program will operate every day of the week)
  - MO TU WE TH FR SA (the program will operate every day except Sunday)
  - MO TU WE TH FR (the program will operate on weekdays only)
  - TH FR SA (the program will operate on Thu, Fri & Sat only)
  - MO TU WE (the program will operate on Mon, Tue & Wed only)
  - SA SU (the program will operate on Sat & Sun only)
  - TU TH SA (the program will operate on Tue, Thurs & Sat only)
  - MO WE FR (the program will operate on Mon, Wed & Fri only)
- (the program will only operate on the day selected)

Once you are happy with your day/s selection, press SET to confirm. The hour figure will now flash.

**Step 4**  
Use ▲ or ▼ to select the time (hour) you want the program to start. Press SET to confirm the setting - the minutes figure will flash.

**Step 5**  
Press ▲ or ▼ to select the time (minutes) you want the program to start. Press SET to confirm.

**Step 6**  
If you want to revise the day or time set repeat steps 1 - 5.

**Step 7**  
When you are happy with the start time chosen, press ▲ once to scroll to the program finish time. "1<sup>OFF</sup>" will be displayed in the bottom left corner.

**Step 8**  
Set the off day and time using the procedure in steps 2 - 5.

**Step 9**  
To set another programme block press ▲ to scroll to the next block. To finish programming press CLOCK to return to clock mode.

## DELETING PROGRAMMES

**Step 1**  
To delete ALL pre-programmed settings remove the timer from the mains power source and remove the batteries. The clock will need to be re-set when the batteries are replaced.

**Step 2**  
To delete an individual timer setting, re-programme the required block so the start and finish times are the same.  
OR  
Scroll to the block you wish to delete and press the MODE button. The display will change to ---:--. To retrieve the setting press the MODE button again.

## USING THE TIMER

**Step 1**  
To use the timer plug it into a power source and plug an appliance into the timer. Be sure to turn your appliance on.

**Step 2**  
Press the MODE button until the horizontal bar at the bottom of the LCD is above the AUTO label - the timer will now switch the appliance on and off according to the programmed settings. The red LED indicates when there is power to the appliance.

**Step 3**  
You can override the timer settings:  
a. Press MODE until the horizontal bar is over the ON label to manually switch the appliance on.  
b. Press MODE until the horizontal bar is over the OFF label to manually switch the appliance off.

**PLEASE NOTE:** If you use the MODE button to turn your appliance ON (or OFF) from AUTO mode, when you return to AUTO mode, the appliance will remain ON (or OFF) until the next time it is programmed to switch OFF (or ON).