

M.S.P

OAK VIBRATORS

- SYNCHRONOUS
- NON-SYNCHRONOUS
- SYNCHRONOUS SPLIT REED
- DUAL INTERRUPTER



PRICE LIST

1.3.1971

OAK VIBRATORS

TYPE		Trade	Retail Incl.
		(+ 27½% S. Tax)	27½% S. Tax
		\$	\$
Non-Synchronous -4 pin-	6V. V5105	4.27	6.70
	12V. V5123		
	24V. V6524		
	32V. V6532		
Synchronous -6 pin-	4V. V5278	5.35	8.30
	6V. V5124		
	12V. V5258		
	24V. V6724		
32V. V6732			
Split Reed Synchronous -7 pin-	4V. V6804	6.25	9.85
	6V. V5211		
	12V. V5948		
	24V. V6824		
32V. V6832			
Non-Synchronous Dual Interrupter -6 pin-	4V. V6604	5.35	8.30
	6V. V6606		
	12V. V6612		
	24V. V6624		
32V. V6632			
Non-Synchronous -6 pin-	6V. V4006	4.27	6.70
	12V. V4012		
Special Non-Synchronous -6 pin-	6V. V4010	5.35	8.30
	6V. V4011		
	12V. V4016		
	12V. V4017		
Special Non-Synchronous Dual Interrupter -6 pin-	6V. V7706	5.35	8.30
	12V. V7712		

Above prices are subject to fluctuation without further notice.

F.O.B. Plus Packing

MANUFACTURERS SPECIAL PRODUCTS PTY. LTD.

47 York Street., Sydney

Tel. 2 0233

Telegrams: "Expense"

PRICE LIST

16.4.6

OAK VIBRATORS

TYPE		RETAIL (INCL. 25% ST)
Non-Synchronous -4 pin-	6V. V5105) 12V. V5123) 24V. V6524) 32V. V6532)	\$5.75
Synchronous -6 pin-	4V. V5278) 6V. V5124) 12V. V5258) 24V. V6724) 32V. V6732)	\$7.10
Split Reed Synchronous -7 pin-	4V. V6804) 6V. V5211) 12V. V5948) 24V. V6824) 32V. V6832)	\$8.45
Non-Synchronous Dual Interrupter -6 pin-	4V. V6604) 6V. V6606) 12V. V6612) 24V. V6624) 32V. V6632)	\$7.10
Non-Synchronous -6 pin-	6V. V4006) 12V. V4012)	\$5.75
Special Non-Synchronous -6 pin-	6V. V4010) 6V. V4011) 12V. V4016) 12V. V4017)	
Special Non-Synchronous Dual Interrupter -6 pin	6V. V7706) 12V. V7712)	\$7.10

Above prices are subject to fluctuation without further notice.

F.O.B. Plus Packing

MANUFACTURERS SPECIAL PRODUCTS PTY. LTD.

47 York Street, Sydney. 2 0233. Telegrams: "Expense".

Manufacturers Special Products Pty. Limited

47 YORK STREET,
SYDNEY.

TELEPHONE : B 0253 [19 LINES]
BOX 25 G.P.O. SYDNEY.

PLEASE ADDRESS ALL COMMUNICATION
TO THE COMPANY AND QUOTE
OUR REFERENCE

OAK VIBRATORS - PRICE LIST

12/10/59

RETAIL
(INCL. 2.5%
S. TAX)

TYPE		
Non-Synchronous-4 pin-	6V. V5105)	
	12V. V5123)	
	24V. V6524)	£2- 3-10
	32V. V6532)	
Synchronous -6 pin-	4V. V5278)	
	6V. V5124)	
	12V. V5258)	2-14- 9
	24V. V6724)	
	32V. V6732)	
Split Reed	-7 pin- 4V. V6804)	
Synchronous	6V. V5211)	
	12V. V5948)	3- 2- 0
	24V. V6824)	
	32V. V6832)	
Non-Synchronous		
Dual Interrupter-6 pin-	4V. V6604)	
	6V. V6606)	
	12V. V6612)	2-15- 3
	24V. V6624)	
	32V. V6632)	
Non-Synchronous -6 pin-	6V. V4006)	
	12V. V4012)	
)	2- 3-10
Special)	
Non-Synchronous -6 pin-	6V. V4010)	
	12V. V4016)	
Special		
Non-Synchronous		
Dual Interrupter-6 pin-	6V. V7706)	2-17- 0
	12V. V7712)	

ABOVE PRICES ARE SUBJECT TO FLUCTUATION WITHOUT FURTHER NOTICE



1.8.1963.

OAK VIBRATORS - PRICE LIST

Type		Trade (+25% ST)	Retail (25% ST)
Non-Synchronous-4 pin-	6V. V5105)		
	12V. V5123)		
	24V. V6524)	1.14. 0	2.13.
	32V. V6532)		
Synchronous -6 pin-	4V. V5278)		
	6V. V5124)		
	12V. V5258)	2. 0. 9	3. 4.
	24V. V6724)		
	32V. V6732)		
Split Reed Synchronous -7 pin-	4V. V6804)		
	6V. V5211)		
	12V. V5948)	2. 7.11	3.15.
	24V. V6824)		
	32V. V6832)		
Non-Synchronous Dual Interrupter-6 pin-	4V. V6604)		
	6V. V6606)		
	12V. V6612)	2. 1. 0	3. 4.
	24V. V6624)		
	32V. V6632)		
Non-Synchronous-6 pin-	6V. V4006)		
	12V. V4012)		
Special Non-Synchronous-6 pin-	6V. V4010)	1.14. 0	2.13.
	6V. V4011)		
	12V. V4016)		
	12V. V4017)		
Special Non-Synchronous Dual Interrupter-6 pin	6V. V7706)	2. 2. 1	3.16.
	12V. V7712)		

Above prices are subject to fluctuation without further notice

F.O.B. Plus Packing.

MANUFACTURERS SPECIAL PRODUCTS PTY. LTD.
47 YORK STREET SYDNEY. 2-0213. Telegrams "Expanse."

Manufacturers Special Products Pty. Limited

47 YORK STREET,
SYDNEY.

TELEPHONE : B 0233 [17 LINES]
BOX 2516 G.P.O. SYDNEY.

PLEASE ADDRESS ALL COMMUNICATION
TO THE COMPANY AND QUOTE

OUR REFERENCE
12/10/59

OAK VIBRATORS - PRICE LIST

TYPE	TRADE (PLUS S. TAX)	RETAIL (INCL. 25% S. TAX)
Non-Synchronous-4 pin- 6V. V5105) 12V. V5123) 24V. V6524) 32V. V6532)	£1- 7- 8	£2- 3-10
Synchronous -6 pin- 4V. V5278) 6V. V5124) 12V. V5258) 24V. V6724) 32V. V6732)	1-14- 9	2-14- 9
Split Reed -7 pin- 4V. V6804) Synchronous 6V. V5211) 12V. V5948) 24V. V6824) 32V. V6832)	1-19- 2	3- 2- 0
Non-Synchronous Dual Interrupter-6 pin-4V. V6604) 6V. V6606) 12V. V6612) 24V. V6624) 32V. V6632)	1-15- 9	2-15- 3
Non-Synchronous -6 pin-6V. V4006) 12V. V4012)	1- 7- 8	2- 3-10
Special) Non-Synchronous -6 pin-6V. V4010) 12V. V4016)		
Special) Non-Synchronous Dual Interrupter-6 pin-6V. V7706) 12V. V7712)	1-16- 0	2-17- 0

ABOVE PRICES ARE SUBJECT TO FLUCTUATION WITHOUT FURTHER NOTICE

TECHNICAL DATA

Oak Vibrators, long leaders in their field, continue to set their pace in the rapid developments of to-day and will continue to establish enviable records of quality and dependability.

There are three general types of Oak Vibrators—non-synchronous or interrupter, synchronous or self-rectifying and split-reed synchronous. All are of the separate driving contact type, insuring operation under the most adverse conditions.

The vibrators are mounted in a heavy gauge extruded zinc can, which gives effective electrical and acoustical shielding. The container is 3 1/8" high by 1 7/8" diameter and is connected internally to the primary reed base pin.

The driving coil which provides the power to maintain vibration of the reed is entirely divorced from the power contacts, thus when the rated voltage is applied between the reed and coil contact pin the vibrator will start, irrespective of the condition of the power contacts.

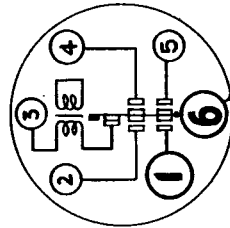
The application of the three types may be summarised briefly as follows:—

SYNCHRONOUS TYPES

This vibrator is similar to the non-synchronous type, except that two additional side contacts and corresponding reed contacts are added and adjusted to enable rectification of the secondary voltage to be carried out by synchronous mechanical switching rather than by electronic means, the reed forming a common negative for both the primary and secondary circuits.

A standard R.M.A. 6-pin base is used, connected internally as below:—

V5278
V5124
V5258
V6724
V6732



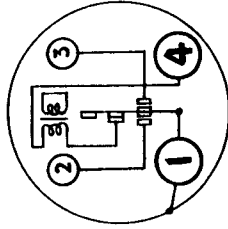
Pin No. 1—Primary Contact
2—Secondary Contact
3—Driving Coil
4—Secondary Contact
5—Primary Contact
6—Reed and Can.

NON-SYNCHRONOUS TYPES

This type is normally used to supply regular pulses of direct current in alternate directions through the primary winding of a vibrator transformer, the high voltage secondary of which is connected to a separate rectifier which, in conjunction with its associated filter network, supplies a high tension voltage dependent on the transformer turns ratio. To fulfil this function the vibrator reed requires to make alternate contact with a single stationary contact on either side; thus, four external connections are required—one for the reed, two for the side contacts, and one for the driving coil.

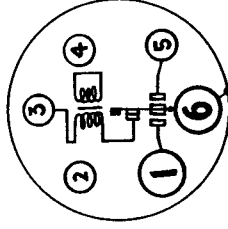
These vibrators are available fitted with standard R.M.A. 4-pin or 6-pin bases as follows:—

4 PIN BASE
V5105
V5123
V6524
V6532



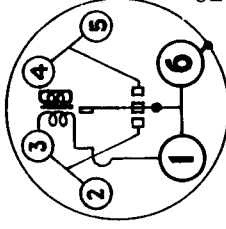
Pin No. 1—Reed and Can
2—Primary Contact
3— " "
4—Driving Coil

6 PIN BASE
V4006
V4012



Pin No. 1—Primary No. 2
2—No Connection
3—Coil
4—No Connection
5—Primary No. 1
6—Reed

6 PIN BASE
V4010
V4016



Pins 1 or 6—Reed
Pins 2 or 3—Primary Contact
Pins 4 or 5— " "

NOTE:

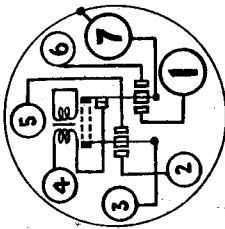
Contacts 1 and 6 }
2 and 3 }
bridged internally }
4 and 5 }

To allow direct plug-in into sockets with connections to either of these bridged pins.

SYNCHRONOUS SPLIT REED TYPES

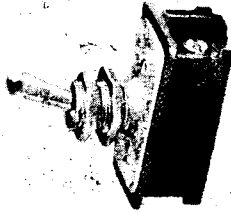
This vibrator is identical in operation with the standard synchronous type, but the reed is divided in two sections mechanically rigid but electrically insulated. One section of the reed carries the primary and driving contact, the other the secondary contacts. This completely isolates the low tension from the high tension circuit and allows use of back bias from the high tension supply.

A standard R.M.A. 7-pin (small) base is used, with this unit.



V6804
V5211
V5948
V6824
V6832

Pin No. 1—Primary Contact
2—Secondary Contact
3—Reed (Secondary)
4—Driving Coil
5—Secondary Contact
6—Primary Contact
7—Reed (Primary)



WORLD FAMOUS SWITCHES AVAILABLE

CUTLER-HAMMER, to-day the world's largest switch manufacturers, have long been famed as makers of a really good-looking switch that gives many years of service, withstanding the hardest abuse.

These switches are now being produced in England, and a full range is available in Australia from MANUFACTURERS SPECIAL PRODUCTS PTY. LTD.



We will be pleased to forward full details on request.

A list of the standard types available, together with relevant operating data, appears on the following table:

Part No.	Description	R.M.A. Base	Input Voltage	Max. Input Current	Frequency c.p.s.
V5105	Non-Synchronous Standard	4-Pin	6	4.0	100
V5123	"	4-Pin	12	4.0	100
V6524	"	4-Pin	24	1.7	100
V6532	"	4-Pin	32	1.5	100
V6606	Non-Synchronous Dual Interrupter	6-Pin	6	5.6	100
V6612	"	6-Pin	12	4.5	100
V6624	"	6-Pin	24	2.5	100
V6632	"	6-Pin	32	2.5	100
V5278	Synchronous	6-Pin	4	2.7	100
V5124	"	6-Pin	6	4.0	100
V5258	"	6-Pin	12	4.0	100
V6724	"	6-Pin	24	1.7	100
V6732	"	6-Pin	32	1.5	100
V4006	Non-Synchronous Special Types.	6-Pin	6	4.0	100
V4012	Refer base	6-Pin	12	4.0	100
V4010	connection	6-Pin	6	4.0	100
V4016	diagrams.	6-Pin	12	4.0	100
V6804	Synchronous Split Reed	7-Pin	4	2.7	100
V5211	"	7-Pin	6	4.0	100
V5948	"	7-Pin	12	4.0	100
V6824	"	7-Pin	24	1.7	100
V6832	"	7-Pin	32	1.5	100

MANUFACTURER'S SPECIAL PRODUCTS PTY. LTD.

47 YORK STREET, SYDNEY, N.S.W.

Phone: BO 233

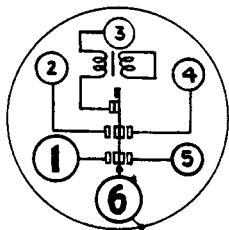
DUAL INTERRUPTER TYPES

This vibrator functions the same as the non-synchronous type but has two stationary contacts and corresponding reed contacts on either side of the vibrator reed, to enable the vibrator to operate under heavier loads than those usually recommended for the standard non-synchronous type.

For single primary centre tapped transformers Pins No. 1 and No. 2 are to be externally connected together at the socket.

To incorporate these extra contacts a standard R.M.A. 6-pin base is used connected internally below:—

V6604
V6606
V6612
V6624
V6632



Pin No. 1—Primary Contact
" " 2— " "
" " 3—Driving Coil
" " 4—Primary Contact
" " 5— " "
" " 6—Reed and Can

Input ratings for this vibrator, shown in operation data chart, are based upon separate primaries on the transformer for each set of contacts. Better load equalization can be obtained by using two transformers.

For Intermittent Duty ratings shown can be increased by approximately eighty per cent.

MISCELLANEOUS

It is suggested, where clients' apparatus may require the vibrators to occasionally exceed the recommended maximum current rating, they consider the use of Aged vibrators. These Aged vibrators are standard vibrators that have been given a bench running-in and ageing period prior to final adjustments. The can is also treated to help dissipate any excess heat produced during operations.

Special modified vibrators with reversed polarity and for A.C. operated vibrating switches are available on application.