

UNIDAPT 450L

OPERATION AND USE

15 FEBRUARY 1990

INTRODUCTION

The UNIDAPT 450L is an externally mounted P.C.B. Assembly that is used in conjunction with the BRIKON 723 or QUICKLIGN 123 Series of FDD testers to extend the range of testing to include the following classes of Flexible Disk Drives:

- * 5 1/4", 300/360 R.P.M., 250/300/500 KBS transfer rate.
- * 3 1/2", 300/600 R.P.M., 250/500 KBS transfer rate, 34 Pin I/O.
- * 3 1/2", 300/600 R.P.M., 250/500 KBS transfer rate, 34 Pin I/O (power on I/O).
- * 3 1/2", 300 R.P.M., 500 KBS transfer rate, 40 Pin I/O (integrated I/O and power).
- * 3 1/2", 300 R.P.M., 250/500 KBS transfer rate, 26 Pin I/O (integrated I/O and power).
- * All the above configurations with CMOS/TTL Interface

The UNIDAPT 450L is attached to the tester through the 50 Pin I/O and 4 Pin Power provided by the tester. The 34 Pin drive I/O cable from the UNIDAPT 450 is provided through a ribbon cable that has both pin style and card edge connectors. The 40 Pin I/O is card edge style only. The 26 Pin I/O is pin style and requires no cable (provided by drive). Drive Power is provided through a 4 Pin, 5 1/4" style connector with 3 1/2" adaptor included to support conventional drives.

SWITCHES

The UNIDAPT 450L has three switches to extend the range of operation (see Figure 1) and are xexplained below:

POWER ON/OFF - This switch is used to direct +5VDC and +12VDC (if required) to the I/O of the 26, 34 and 40 Pin interfaces. When ON, power is through the I/O on the pins as noted in Figure 1. When OFF, power is conventional through J6 and not supplied to the I/O. The pins affected are as follows:

34 PIN INTERFACE		40 PIN INTERFACE		26 PIN INTERFACE	
VOLTAGE	PINS	VOLTAGE	PINS	VOLTAGE	PINS
+5VDC	5,7,9,11	+5VDC	38	+5VDC	1,3,5,7
+12VDC	29.31.33	+12VDC	40		

- PIN 2/9 CONTROL This switch is used to switch the state of Pin 2 of the 34 and 40 Pin interfaces or Pin 9 of the 26 Pin interface. When in the OPEN position, these Pins will be held HIGH via the drive interface pullup resistor. When in the GND position, these Pins will be held to Ground. Drives make use of this pin to control whether high or low density (250/500 KBS), and in some cases to control spindle speed.
- PIN 3/11 CONTROL This switch is used to change the state of Pin 3 of the 34 Pin interface and Pin 11 of the 26 Pin interface. In conjunction with S2, this switch is used to control the spindle motor speed on tri-speed drives (180,300,360 RPM) that have a 34 Pin interface (refer to Figure 1 for speed control settings). Some 26 Pin interfaces use this Pin for density control (see the attached page for switch settings. When in the OPEN position, these Pins will be held HIGH via the drive interface pullup resistor. When in the GND position, these Pins will be held to Ground.

SWITCH SETTINGS - 26 PIN INTERFACE

T1600 CITIZEN ZA0778P02 720 1.44 ON OPEN OPEN OPEN OPEN OPEN OPEN OPEN OP	LAPTOP	FDD	FORMATTED	SWITCH SETTINGS		
ZA0778P02 1.44 ON OPEN OPEN OPEN <th>Contract of the Contract of th</th> <th></th> <th></th> <th></th> <th></th> <th>S3 OPEN</th>	Contract of the Contract of th					S3 OPEN
FDD4271A0W T3200 TOSHIBA FDD4666G52 1.44 ON OPEN OPEN OPEN OPEN OPEN OPEN OPEN OP	11000		•			OPEN
FDD4666G52 T5100 TOSHIBA FDD4272G9Y 720 ON OPEN OPEN OPEN OPEN OPEN OPEN OPEN OP	T1000		720	ON	OPEN	OPEN
FDD4272G9Y T1200 TOSHIBA 720 ON OPEN OP FDD4266A8W T1100 TOSHIBA 720 ON OPEN OP	T3200		1.44	ON	OPEN	OPEN
FDD4266A8W T1100 TOSHIBA 720 ON OPEN OP	T5100		720	ON	OPEN	OPEN
7=0 01 0121 01	T1200		720	ON	OPEN	OPEN
D1002550 4	T1100	TOSHIBA BR602930-4	720	ON	OPEN	OPEN

