

The Model 2224 Disk Multiplexer allows the use of up to four System 2200Bs with one Disk Unit. All Disk Units in the System 2200 series are useable with this Multiplexer. There are three models of the Multiplexer. They are:

- Model 2224-2 - two stations plus disk unit
- Model 2224-3 - three stations plus disk unit
- Model 2224-4 - four stations plus disk unit

The disk unit can be stationed up to 500 feet (152.4 m) away from any one of the System 2200Bs. Extension cables are available from 100 feet (30.5 m) to 500 feet (152.4 m) in increments of 100 feet (30.5 m) to accomplish the desired distance. Multiple 12 foot (3.7 m) cables are automatically supplied to attach the Multiplexer to each System 2200B. If extension cables are ordered, the standard 12 foot (3.7 m) cables are not supplied except at special request. All extension cables are supplied with 36 pin Amphenol plugs.

The Multiplexer enables a single disk to be accessed by several independent users. Each System 2200B is automatically polled in sequence by the Multiplexer until it encounters a system trying to access the disk. This system is permitted to complete one disk statement (DATASAVE, DATALOAD, etc). Following the single disk operation, the Multiplexer continues polling the systems until it finds another station attempting to access the disk. In this manner, disk operations for multiple systems are interleaved by the Multiplexer so that multiple-sector disk operations can be carried out concurrently by several systems. Under program control or manual control (via Hog Mode Switch) the disk can be temporarily locked onto one System 2200B. This feature permits on-line updating, and simplifies control of file maintenance and backup operations on a commonly used disk. See Figure 1 for a typical system configuration.



2224
DISK MULTIPLEXER

DATA SHEET

Benefits of Multiplexer

1. The same disk unit can be shared by up to four System 2200Bs, effecting a substantial cost saving to the user.
2. Allocates disk time among multiple enquiring systems in a manner which enables virtually concurrent execution of multi-statement disk operations from several systems.
3. Provides a broad capability for the same data base to be interrogated by multiple users.
4. Can lock out other users with Hog Mode capability, allowing on-line file updating, and simplifying file maintenance procedures. (Programmable and manual Hog Mode capability.)

SPECIFICATIONS

Power Requirements

- 115 VAC \pm 10% 60 Hz \pm 1/2 cps
- 230 VAC \pm 10% 50 Hz \pm 1/2 cps

Operating Environment

- 50° F to 90° F (10° C to 32° C)
- Humidity 40% to 60%

Standard Equipment

A multiplexer chassis, plus the requisite number of boards and 12-foot (3.7 m) cables (Multiplexer to System 2200 connectors), including two 36-pin Amphenol plugs with each cable (except if extension cables are ordered, and then by special request only).

SPECIFICATIONS (Continued)

Optional Equipment

Extension cables of up to 500 feet (152.4 m) in increments of 100 feet. Cables cannot be spliced.

Dimensions

- Height 5.5 in. (13.8 cm)
- Width 8.0 in. (20.0 cm)
- Length 11.5 in. (28.8 cm)

Weight

101 lbs (5 kg)

ORDERING SPECIFICATIONS

The Model 2224 must be able to interface directly with any System 2200 Disk Unit, namely, the Model 2230, the Model 2240, the Model 2242, and the Model 2243. It must be available in three models: the Model 2224-2 to multiplex two System 2200Bs with one disk unit, the Model 2224-3 to multiplex three System 2200Bs with one disk unit, and the Model 2224-4, to multiplex four System 2200Bs with one disk unit. Two, three or four 12 foot (3.7 m) cables (depending upon the Model), must be supplied. Extension cables in increments of 100 feet (30.5 m) up to 500 feet (152.4 m) must be available. The Multiplexer must have Hog Mode capability both programmable and manually controlled.

Standard Warranty Applies.

Wang Laboratories reserves the right to change specifications without prior notice.



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