

SERIES 200

205 MAGNETIC TAPE SWITCHING UNIT

The 205 Magnetic Tape Switching Unit can be used to switch a set of 1/2-inch or 3/4-inch magnetic tape units between two tape controls. A set comprises from one to four 1/2-inch (Type 204B)¹ or 3/4-inch (Types 204A, 404, or 804) tape units. The basic switch can be expanded to handle up to eight 1/2-inch tape units.

SWITCHING CONFIGURATIONS

Half-inch tape units can be switched between two Type 203B Tape Controls;¹ 3/4-inch tape units can be switched from a Type 203A Tape Control to another 203A or an 803 Tape Control or to a 401, 401A, or 1401 Central Processor. The following rules apply to all tape switching configurations:

1. The configuration must include a Type 203A or 203B tape control (204B tape units may be switched only between 203B tape controls);
2. No tape unit can be switched to any device to which it cannot be connected directly;
3. The total cable length between any tape unit and tape control may not exceed the maximum allowable limits of a non-switched magnetic tape system;
4. The number of tape units which can be connected by switching to any device must not exceed the number which can be connected directly to that device;
5. All tape units connected to a single switch must be the same type (an exception is the use of half-inch primary and secondary units).

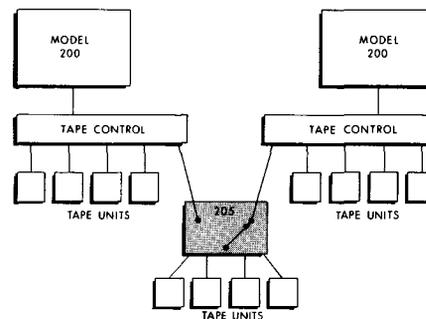
All tape units attached to switching units are switched as a group. If the group includes both a primary unit and one or more secondary units, the tape controls involved cannot control any additional tape units, either directly or through other switching units. If the units attached to this type of tape control are to be switched individually, they must all be primary units.

APPLICATIONS

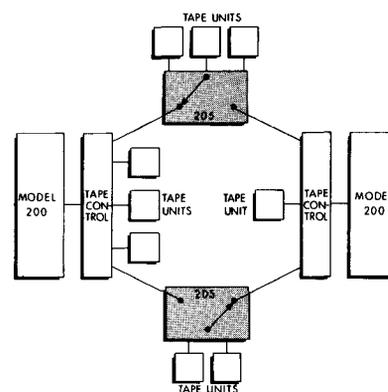
Two typical applications of the tape switching unit are represented in the illustrations. In the first example, an installation consisting of two Series 200 models with a combined total of 12 tape units can be set up with eight tape units on either system and four on the other. In the second example, two switching units are used to enhance the flexibility of a similar installation. The various combinations of switch settings permit a total of nine tape units to be divided in four different ways between the two systems.

HOUSING

Tape switching units are housed in a cabinet the size of a Type 204B-1 tape unit. A basic switch occupies one quarter of the cabinet; an expanded switch (capable of switching as many as eight tape units) occupies one half of the cabinet. Switches housed in a common cabinet retain complete functional independence; i.e., each can



EXAMPLE 1.



EXAMPLE 2.

be connected independently in any valid switching configuration. Combinations of one, two, three, or four switches (basic or expanded) are designated Types 205-1, -2, -3, and -4, respectively.

MANUAL CONTROLS

A manual selector on the switching unit selects and indicates the device to which the attached tape unit(s) is connected. The switch may be operated only if the central processor(s) involved has been stopped by depressing the STOP key and the attached tape units are not moving tape. Manual selectors are grouped across the top front of the tape switching unit cabinet.

SPECIFICATIONS

DEVICE CONTROLLED: 204A, 204B,¹ 404, or 804 magnetic tape units.

SWITCHING POSITIONS: Two.

OPERATOR CONTROLS: One manual indicating push-button switch for each switching unit.

Specifications remain subject to change in order to allow the introduction of design improvements.

¹Type 204B-11 and 204B-12 Magnetic Tape Units cannot be switched by the Type 205 Switching Unit. Likewise, the 205 cannot be used to connect tape units to a Type 203B-5 or Type 103 Tape Control.

Honeywell

ELECTRONIC DATA PROCESSING