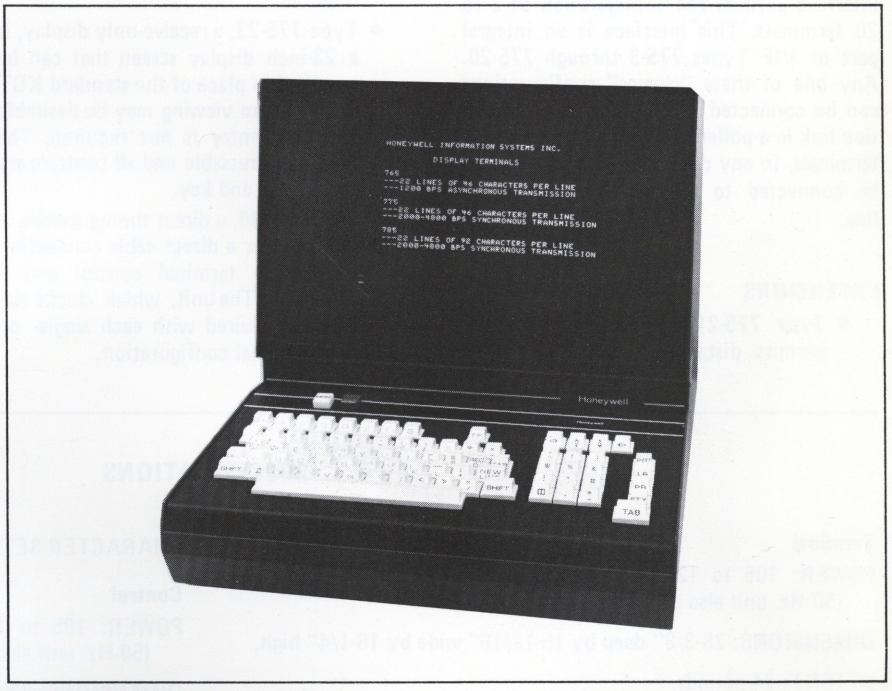
Honeywell

VIP SYSTEMS

HARDWARE

775 SYNCHRONOUS SINGLE/ DUAL/CLUSTER CONFIGURATIONS



The 775 configurations (Types 775-1 through 775-20), members of the Honeywell Visual Information Projection (VIP) family, provide instant visual access to computer-stored data in a variety of communications environments. Utilizing the latest computer and telecommunications technology, the 775's permit increased throughput while reducing communication line costs. Under program control, the terminals can enter or retrieve data, and question, answer, and converse with any computer system in the Honeywell product line.

Allowing instant man-machine communication, the VIP stations are central components of a hardware system with applications in any industry requiring "total information access." Examples include on-line file updating in banking and insurance, inventory control for manufacturers and distributors, account status review for public utilities, and a variety of activity report applications for management. In any application, the user can compose a message, verify its accuracy, modify it if necessary, and transmit it at a rate of 2000 or 2400 bits per second (bps) to the central processor. Within a matter of seconds, an answer or an additional question, depending on the nature of the original message, flashes on the screen and, if selected, is printed on an associated page printer. A typical configuration consists of a keyboard/display terminal (KDT), a control, and various expansions and enhancements that form an integrated processing network over direct or common-carrier communication lines.

THE TERMINAL

While arranged like those of a standard office typewriter, the KDT's keys are actually high-reliability electronic switches that permit data entry, single-action entry marker positioning, and terminal command. The data keys include 26 alphabetic, 10 numeric, and 26 special characters. A separate numeric pad permits adding-machine-like numeric data entry. With the entry marker control keys, the location of the next character to be entered (cursor) can be changed freely with the touch of a single key. Transfer, receive, print, and edit functions are controlled by the remaining keys. Designed as an integral unit, the keyboard and display are connected by a 5-foot cable.

Manually-entered data and processor-generated inquiries and responses are displayed on a 14-inch television-like cathode ray tube. With a display area of 1012 characters (22 lines by 46 character per line) and a 60-frames-per-second refresh rate, the display projects clear, bright, easily-read information without flicker. The operator has access to all 1012 character positions.

Other terminal capabilities include:

- Multiple key depression without error.
- Vertical and horizontal line drawing.
- Automatic tab.
- Message flashing.
- Data entry repeat.

The entire keyboard/display terminal can be located within a cable distance of 1000 feet of its control.

THE CONTROL

The terminal control provides information storage between the terminal and the computing system. Featuring solid-state integrated circuitry and discrete components, the control includes a 2000- or 2400-bps synchronous line interface, central timing, logic, character generation, storage, and keyboard interface. With printer enhancements, a page printer adapter that controls printing operations is added to the control. A single control permits the operation of one or two independently-operated terminals, depending on the configuration.

CONFIGURATIONS

The basic VIP configuration, the Type 775-1, is a single-terminal station with a single control. Memory expansion and other extensions are available on an initial order

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

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or for later upgrade with a maximum configuration of up to 20 KDTs permitted at a single communication terminus.

The Type 775-2 is a basic VIP with memory expansion and a second KDT. Both the 775-1 and 775-2 are capable of polled or nonpolled communications with their associated central processor.

Where more than two terminals are required, the addition of a multiple control interface permits the configuration of 3 to 20 terminals. This interface is an integral part of VIP Types 775-3 through 775-20. Any one of these "cluster" configurations can be connected to the same communication link in a polled environment. Sixty-four terminals, in any combination of types, can be connected to a single communication line.

EXTENSIONS

- Type 775-21, a line repeater unit, permits distances greater than 1000 feet between terminals and their controls. In increments of 2000 feet and with a maximum of two line repeaters, a terminal may be moved up to 5000 feet from its control.
- Type 775-22, is a 14-inch, solid-state display terminal that interfaces with a 50 Hz. power source. This terminal should be specified on initial orders in place of the standard KDT where compatibility with 50 Hz. power is required.
- Type 775-23, a receive-only display, is a 23-inch display screen that can be specified in place of the standard KDT where group viewing may be desirable and data entry is not required. The unit is addressable and all controls are under lock and key.
- Type 775-30, a direct timing source, is required for a direct cable connection between a terminal control and a processor. The unit, which clocks signals, is required with each single- or dual-terminal configuration.

Receive-Only Printers

- Type 775-24, a Model 33 printer, is a friction-fed, 10-characters-per-second, receive-only teletypewriter with an 8½ inch platen. One can be attached directly to any single or dual terminal control; printing can be initiated by the processor or the KDT.

Keyboard Enhancements

- Type 775-28, the function key group, is an 8-key group used in applications where message labels are needed to inform the processor about the incoming message. This feature permits the user to easily adapt his VIP operating procedures to the requirements of a given application program.
- Type 775-29, a keyboard with an 026 Keypunch layout, permits an easy transition from keypunch to VIP for high-volume data preparation and entry applications.

SPECIFICATIONS

Terminal

POWER: 105 to 125 volts, 60 Hz., single-phase; 0.28 KVA (50-Hz. unit also available).

DIMENSIONS: 28-3/8" deep by 15-11/16" wide by 16-1/4" high.

WEIGHT: 74 pounds.

CHARACTER CAPACITY: 1012 characters.

HEAT DISSIPATION: 800 BTU/hr.

CHARACTERS PER LINE: 46.

CHARACTER SET: 36 alphanumeric, 26 special.

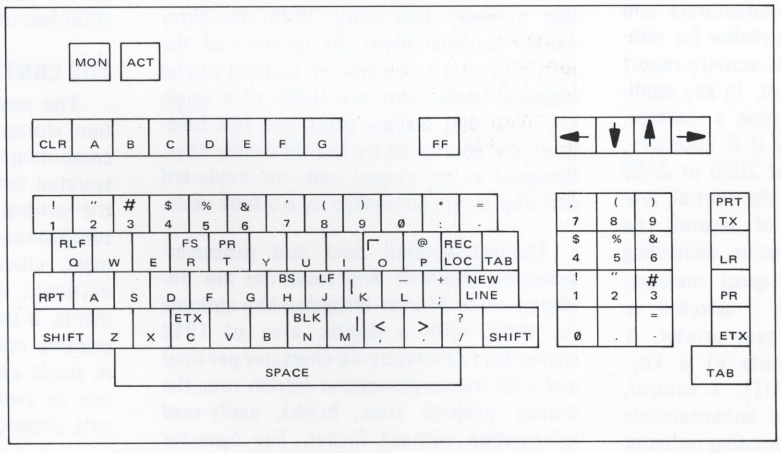
Control

POWER: 105 to 125 volts, 60 Hz., single-phase; 0.29 KVA (50-Hz. unit also available).

DIMENSIONS: 23" high by 24" wide by 17" deep.

WEIGHT: 145 pounds.

HEAT DISSIPATION: 840 BTU/hr.



Standard 775 Keyboard with Type 775-28