Setup and Operation of the DM Engineering
MS1822 Multi-station RWT Automation Interface
For the Sage-Endec 1822

1. Product Description

The DME Multi-station Automation Interface consists of a microprocessor based communications device that converts a normally open switch contact from your automation equipment into the activation of an RWT by one of four possible pre-programmed stations from your Sage-Endec 1822. The device consists of an individual station automation input terminal block and a LED indicator to show data transmission. The initiation of an RWT is achieved by momentarily shorting the terminals of the input terminal block on the rear of the device. Power for the Interface is derived from the Sage-Endec db9 connector (pin 9). One MS-1822 is required for each station programmed into the Endec, and one COM port is required for each MS-1822.

2. Installation and Settings

Power for the Interface must be set up by installing JP16 located behind the printer access door and below the printer assembly on the Sage-Endec. If an RC1 hand held remote has been or is connected to the unit the jumper has already been enabled.

Install the Multi-station Automation Interface modules in either the Computer, COM2, COM3, or COM6 db9 ports on your Sage-Endec, and tighten the retaining screws to avoid accidental pull out. The MS1822 operates at 9600 baud, and COM 2 and 6 are set to 9600 baud by default and cannot be changed. If the Computer or COM 3 ports are used, you may have to configure the port to 9600 baud as its default setting is 1200 baud. (*menu.devices.port.baud*)

Set the appropriate port for operation with the Interface Module by setting the port to hand control operation. (*menu.device.port.type.hand control*)

The Sage-Endec must be set up for MSRP (multi station relay panel) use for proper operation with the Interface Module. Up to four stations may must be assigned and enabled. (*menu.msrp.station#.call sign* and *menu.msrp.station#.enable*) See pg. 75 in the Sage-Endec user guide for details.

Operation

A contact closure between the terminals on the rear of the Interface Module will initiate the RWT sequence for the station that module controls. It takes approximately 3-4 seconds for the data to initiate the test, so take this into account when designing your programming sequences. At the conclusion of data transmission the Interface Module resets and waits for the next contact closure.

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