

## Multipoint Temperature Alarm With Latch

EMU 1 is set up as "master" in local mode controlling EMU 2 as a slave. The EMU305 cycles around the 16 thermocouple inputs, switching these inputs to the output. The output is measured by the USC701 (CHI set to measure T/C input, with USB0 input resistors). The USC701 output is scaled by the DPM135 equal to 0-1000°C. This output is measured by the DPM135 digital indicator. The SPL0510 decodes the Channel address number of the EMUs and displays this number. The operator can see both the channel number and the temperature of that channel. The cycle time between channels can be altered by the Step-Rate pot on the front of the EMU 1. The Auto-Manual switch on EMU 1 can be set to Manual and the channels advanced by the Step switch. If any input channel exceeds the USC701 Alarm set value, then the RLY2 output is used to stop the cycling of the EMUs on this alarm channel. RLY1 can be used for separate temperature alarm. The operator can disable these alarms by pressing the Reset switch connected to the USC701.

