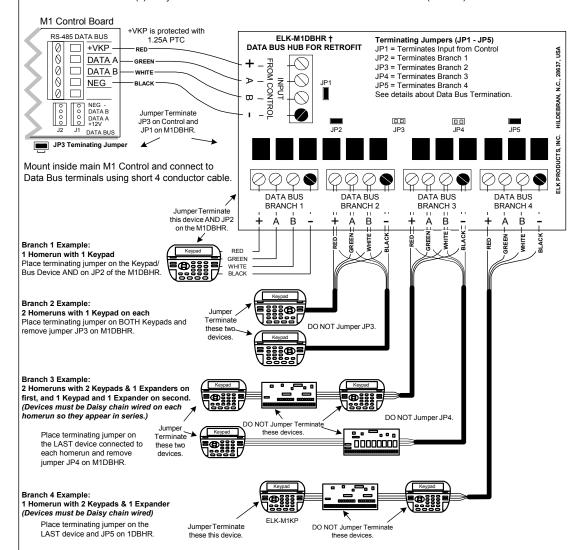
The ELK-M1DBHR † Data Bus Hub Retrofit is intended for retrofit jobs where existing 4 conductor cables are the only wires available. It creates 4 managed RS-485 BRANCHES from the single M1 main RS-485 Bus. Like the main M1 Bus, each branch can only have 2 home run cables (4 branches x 2 ea. = 8 home runs).

DO NOT connect more than two (2) M1DBHR Hubs to a single M1 Control.

DO NOT connect an M1DBHR on a branch of another M1DBHR! The M1DBHR CANNOT be used as an extender or remote repeater.

DO NOT remote M1DBHR(s) away from the M1. Mount within main M1 Control. Terminate last (end line) device on each home run.



The above examples are intended to show the flexibility provided by the 4 data bus branches of an M1DBHR. The number and types of devices used on each branch is up to the Installer.

END-OF-LINE DATA BUS TERMINATION IS VERY IMPORTANT!

All bus devices (keypad, expanders, etc.) have terminating jumpers. Placing a shorting header on the jumper engages a 120 Ohm resistor across data A & B lines. Refer to the individual instruction manuals and Control hardware pack for shorting headers.

If using 1 M1DBHR place jumper on JP1 of the M1DBHR and JP3 of the M1 Control.

With 2 M1DBHR boards place jumper on JP1 of both M1DBHR boards and remove jumper JP3 on the M1 Control.

DO NOT EXCEED two (2) terminating jumpers on any of the 4 branches of the M1DBHR or the main M1 bus.

Like the Main M1 Bus, the Maximum wire length of any of the 4 branches on the M1DBHR is 4000 ft.

Min. wire gauge: 24 AWG 18 to 22 AWG is best for long distances.

