



# BP-8

## Mounting Backplane

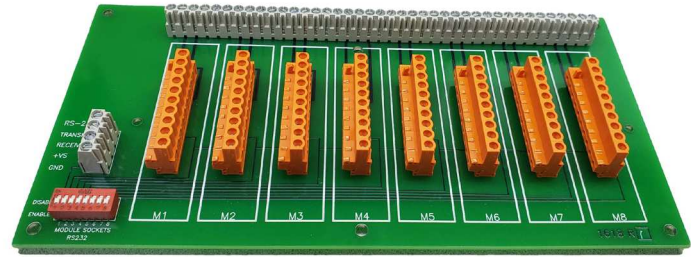
The BP-8 mounting backplane is designed for mounting up to eight DGH D1000 through D5000 series modules on a single backplane. Each backplane contains a four-pin screw terminal connector to connect the power supply voltage and serial communications to the backplane. These signals are then bussed to each module on the board. Using the BP-8, users will benefit from reduced wiring costs. Eliminating the need to cut, strip and individually wire signals to each module in the system.

The BP-8 mounting backplanes are available in two versions. One for use with serial RS-232 modules and one for use with serial RS-485 modules. The RS-232 version contains an eight position DIP switch to enable communications for each module that is plugged into the backplane. The RS-485 version does not require a DIP switch as the communications signals are bussed to each module in a parallel bus network. Additionally, the RS-485 version contains holes on the backplane PCB for an RS-485 termination resistor.

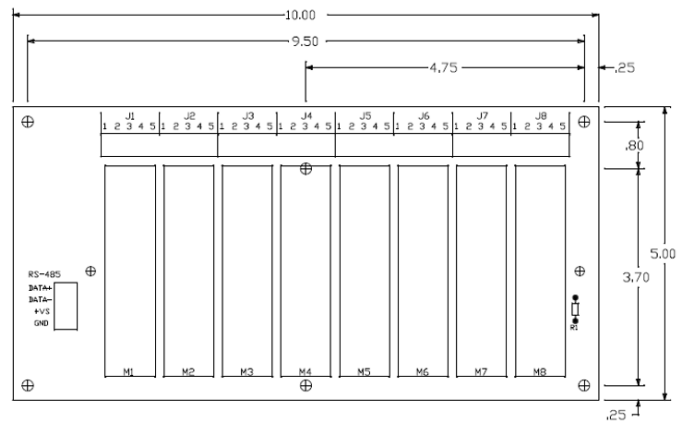
The BP-8 backplanes also contain a 40-position screw terminal connector for connecting analog sensors or digital I/O signals to the modules on the backplane. The connector is broken up into groups of five terminals for connecting signals pins one through five of each module. Refer to the module type and label pin descriptions for the type of signals on pins one through five of each module.

Although analog modules are most often used with BP-8 backplanes, it must be noted that many DGH modules have some digital I/O capability. Therefore, a combination of DGH modules mounted on a backplane can make a cost-effective analog and digital data acquisition system.

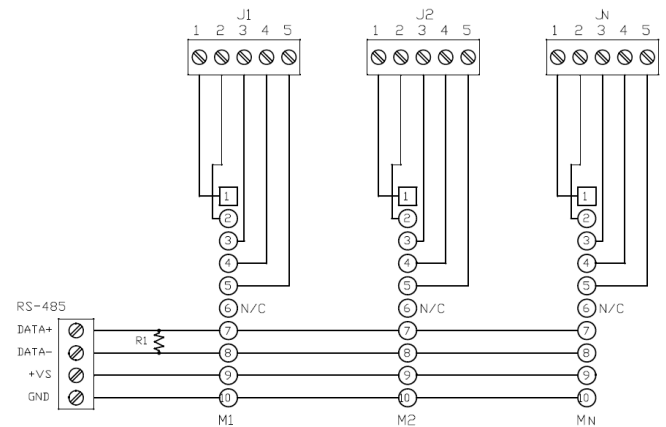
Each BP-8 also includes swaged thru-hole standoffs for easy mounting to a panel or inside of an industrial cabinet. Six standoffs are swaged into each backplane for a solid mount to any surface. The standoff locations are available in the dimension drawing below.



### DIMENSIONS



### SCHEMATIC



### ASSEMBLY

