



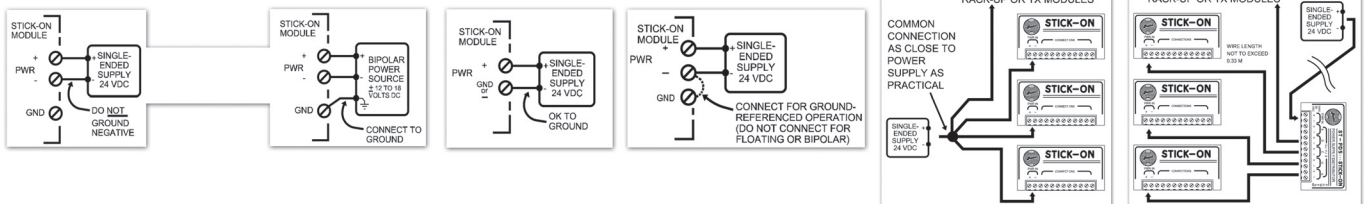
## Common Characteristics

### General Power Supply Information

- RACK-UP® and FLAT-PAK™ modules operate from ground-referenced 24 Vdc.
- Certain STICK-ON® modules operate from ground-referenced 24 Vdc.
- Certain STICK-ON modules operate from floating 24 Vdc. Floating modules internally create bipolar voltages from a non-ground-referenced 24 Vdc supply. These modules may also be powered directly from an external bipolar (+/-12 to +/-15 Vdc) supply.
- Certain STICK-ON modules feature RDL SupplyFlex™, operating from either ground-referenced or floating 24 Vdc, or bipolar power.
- Active TX™ series modules all operate from ground-referenced 24 Vdc. Certain TX series modules also operate from 12 or 24 Vac.

### System Planning Guidelines

- Modules identified as ground-referenced may be intermixed on the same power supply with other ground-referenced modules.
- Modules identified as floating may be intermixed on the same power supply with other floating modules.
- Modules identified as ground-referenced may NOT be intermixed on the same power supply with floating modules.
- SupplyFlex™ powered modules may be jumpered to intermix with either ground-referenced or floating modules.
- Modules (TX series) which may be operated from ac or dc power supplies may be intermixed on the same dc power supply with RDL ground-referenced modules. When these modules are ac powered, they may be intermixed on the same ac power supply with other manufacturers' ac powered products only if the other manufacturers' products are internally ground-referenced.



### Powering Multiple Modules

- Multiple modules may operate from a single power supply. Power supply wiring to each module should originate at the power supply. The ST-PD5 Power Supply Distributor (PSD) is designed for use with linear supplies while the ST-PD5U Power Supply Distributor should be used with switching supplies (PS-24V2, PS-24AS or KS).
- A greater number of modules may be powered from a single power supply by using the ST-PD5 or ST-PD5U Power Supply Distributors. The Power Supply Distributor also permits a single power supply to be mounted remote from the modules it powers.
- When using the PSD, the total current available from the power supply may be used. To figure the current requirement, add the currents for the modules you are using.
- More than one module may be connected to each PSD output. Do not connect more than 1000 mA to any output.
- Each PSD powers modules of the same power supply type (floating or ground-referenced). Do not intermix floating and ground-referenced modules from separate outputs of a single PSD. (Note: The ST-PD5 and ST-PD5U are for dc power only.)