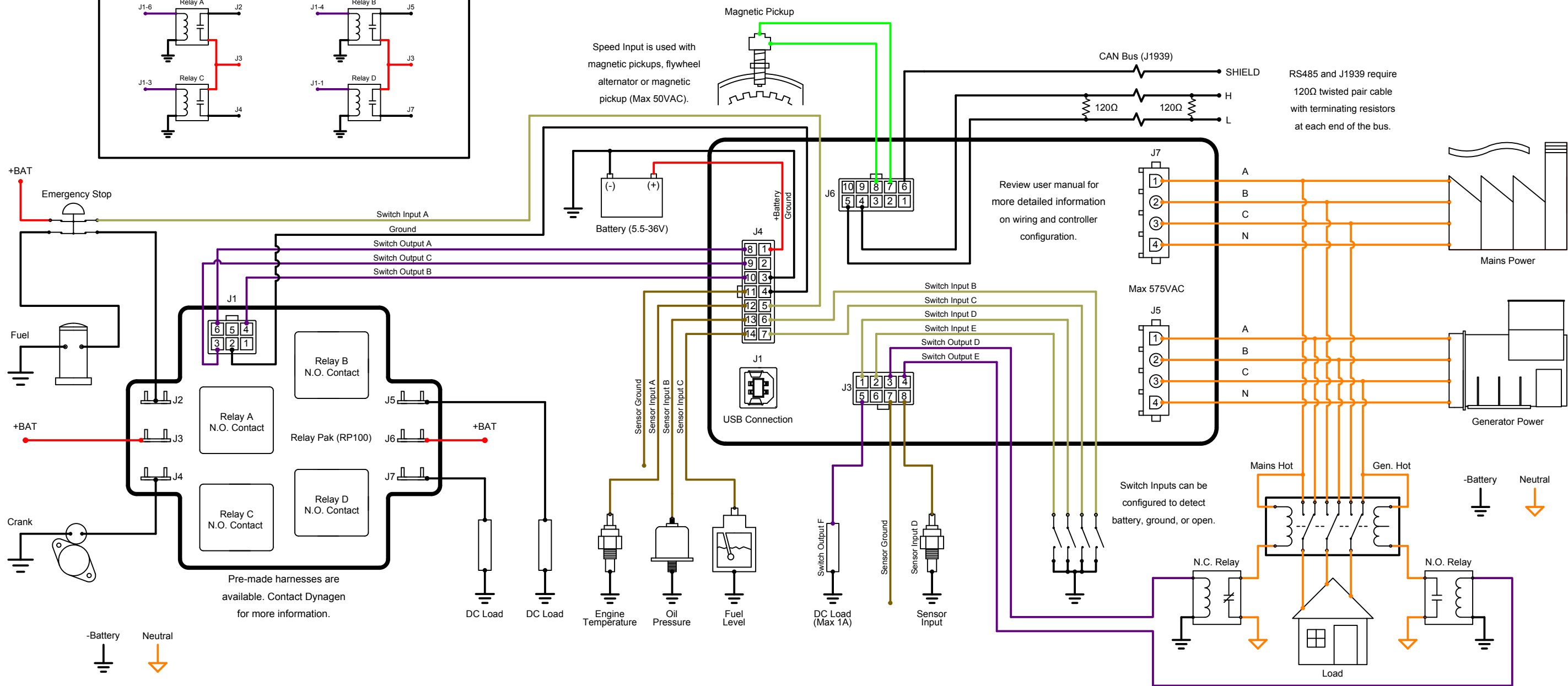
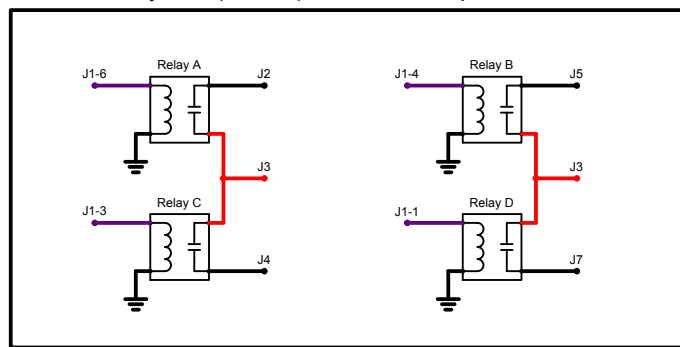


Relay Pak (RP100) Schematic Representation

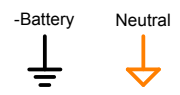


RS485 and J1939 require 120Ω twisted pair cable with terminating resistors at each end of the bus.

Review user manual for more detailed information on wiring and controller configuration.

Switch Inputs can be configured to detect battery, ground, or open.

Pre-made harnesses are available. Contact Dynagen for more information.



DRAWING NOTES

NOTE 1:
NOTE 2:
NOTE 3:
NOTE 4:
NOTE 5:
NOTE 6:
NOTE 7:
NOTE 8:

| Relay Pak Connector | |
|---------------------|-----------------|
| J1-1 | Relay D Coil |
| J1-2 | -Battery |
| J1-3 | Relay C Coil |
| J1-4 | Relay B Coil |
| J1-5 | Relay A Coil |
| J2 | Relay A Contact |
| J3 | A and C Common |
| J4 | Relay C Contact |
| J5 | Relay B Contact |
| J6 | B and D Common |
| J7 | Relay D Contact |

| Main Connector | |
|----------------|-----------------|
| J4-1 | +Battery |
| J4-2 | +Battery |
| J4-3 | Ground |
| J4-4 | Ground |
| J4-5 | Switch Input A |
| J4-6 | Switch Input B |
| J4-7 | Switch Input C |
| J4-8 | Switch Output A |
| J4-9 | Switch Output C |
| J4-10 | Switch Output B |
| J4-11 | Sensor Ground |
| J4-12 | Sensor Input A |
| J4-13 | Sensor Input B |
| J4-14 | Sensor Input C |

| Expansion Connector | |
|---------------------|-----------------|
| J3-1 | Switch Input D |
| J3-2 | Switch Input E |
| J3-3 | Switch Output D |
| J3-4 | Switch Output E |
| J3-5 | Switch Output F |
| J3-6 | |
| J3-7 | Sensor Ground |
| J3-8 | Sensor Input D |

| Communication Connector | |
|-------------------------|-----------------|
| J6-1 | |
| J6-2 | |
| J6-3 | |
| J6-4 | CAN High |
| J6-5 | CAN Low |
| J6-6 | CAN Ground |
| J6-7 | Speed Input |
| J6-8 | Speed Reference |
| J6-9 | |
| J6-10 | |

| Generator Connector (V) | |
|-------------------------|--------------|
| J5-1 | Gen. Phase A |
| J5-2 | Gen. Phase B |
| J5-3 | Gen. Phase C |
| J5-4 | Neutral |

| Mains Connector (V) | |
|---------------------|---------------|
| J7-1 | Mains Phase A |
| J7-2 | Mains Phase B |
| J7-3 | Mains Phase C |
| J7-4 | Neutral |



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| Project Name | Wiring Diagrams |
|------------------|---------------------------|
| Drawing Name | TG350AMF Example w/ RP100 |
| Drawing Number | DWG1526 |
| Drawing Revision | 1.1.0 |
| Drawing Scale | Not To Scale |
| Drawing Size | ANSI-B / Ledger |
| Created On | 12/19/2012 |
| Modified On | 03/07/2012 |
| Created By | Everett Pattison |
| Modified By | Everett Pattison |