

Custom 7A471 Technical Reference

Doc Revision: Draft 1

Custom 7A47 Rev 1 is a custom version of 30A GP-1015B-x LVD unit. With the exception of following items, please refer to GP-1015B-x User’s Manual for details.

1. **Operating range 9~32V.**
2. **LVD connections**

Deutsch DT04-6P (in-line version of DT15-6P)

#	Name	Wire size	Color	Description
1	Remote On	20 AWG	white	To keyed ignition; in-line fuse recommended.
2	Ground	14 AWG	Black	Ground return, Battery-. (used with load+)
3	LOAD+	14 AWG	Blue	To load positive.
4	Battery+	14 AWG	Red	Battery positive; please use in-line fuse.
5	Status	20 AWG	Yellow	Active low as low voltage warning, 80mA sinking current max
6	Ground	20 AWG	Black	Battery- (used for control)

Note:

The ground of Pin2 and Pin6 are shorted inside the low voltage disconnect unit. Use Pin2 for the power side, and Pin6 for possible control signals.

3. Function of keyed ignition

TBD

The keyed ignition (remote ON) signal is active low on standard version.

4. Cut-off threshold

Disconnect 11V, disconnect delay 3 Second

Reconnect 18V, reconnect delay 4 second