LIQUIP DCC100 POWER CONDITIONER

DATA SHEET & INSTRUCTION LEAFLET

Part No: 59084

TITLE: Electrical power conditioner

PURPOSE: To protect connected equipment from surges and voltage spikes generated by vehicle operation. To supply 12V DC out with low noise and wide range of input voltage from 9V to 36V DC.

MATERIALS OF CONSTRUCTION: Heatshrink, Plastic, metal.

MOUNTING: The DCC100 is not designed to be exposed to dirt or moisture. It must be either mounted in the cab area, typically in the fuse box, or inside a junction box of IP rating 66 minimum (Liquip JBL100 or similar)
- Ensure cable glands are rated for a minimum IP66.
- Wire as per wiring diagram attached.
- Ensure IP66 rated blanking plugs are used in any unused holes in junction box.

WEIGHT: 0.1 kg (without junction box)

TECHNICAL DATA:

INPUT VOLTAGE:	9V-36V DC
OUTPUT VOLTAGE:	12V DC
MAXIMUM LOAD:	Total 1.67A Continuous
VOLTAGE SPIKE PROTECTION:	Protect up to 50V/100ms spike
OUTPUT VOLTAGE NOISE:	Less than 0.1V
RECOMMENDED FUSE RATING:	3.15A slow blow
CABLE SIZE:	0.2– 2.5mm^2, strip length 6mm
INGRESS PROTECTION:	IP20

DIMENSIONS: 55W x 65L x 25H (mm)

ASSOCIATED EQUIPMENT: DIP200, DIP240, EMH5xx, EMH6xx, MPP102, PPM300 Series, COPS series.
JBL100   Junction box IP66 with 3 x M20 holes

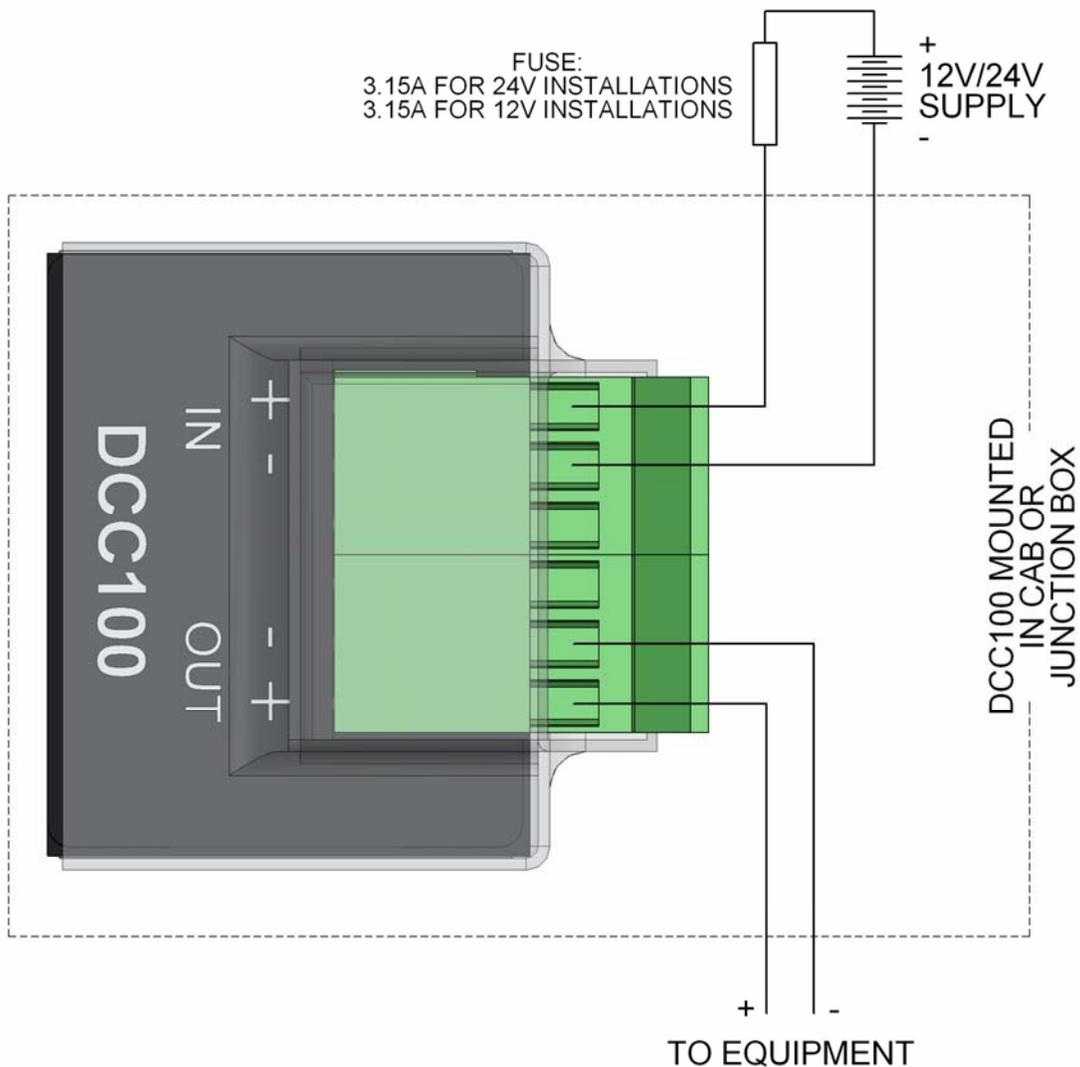*Wiring diagram shown on the drawing overleaf.*

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LIQUIP

DCC100 WIRING DIAGRAM

FUSE:
3.15A FOR 24V INSTALLATIONS
3.15A FOR 12V INSTALLATIONS

+ 12V/24V
SUPPLY
-

DCC100

IN + -

OUT - +

DCC100 MOUNTED
IN CAB OR
JUNCTION BOX

+ -
TO EQUIPMENT

X350409
Issue: A

NOTE: THIS IS A GENERAL WIRING DIAGRAM ONLY.
ANY WIRING INSTRUCTIONS FOR SPECIFIC EQUIPMENT SUPERSEDE THIS DIAGRAM.

METERS - VALVES - VENTS - MANHOLES - PUMPS - HOSEREELS - OVERFILL PROTECTION - LOADING ARMS - ELECTRONIC DIPSTICKS

LIQUIP

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