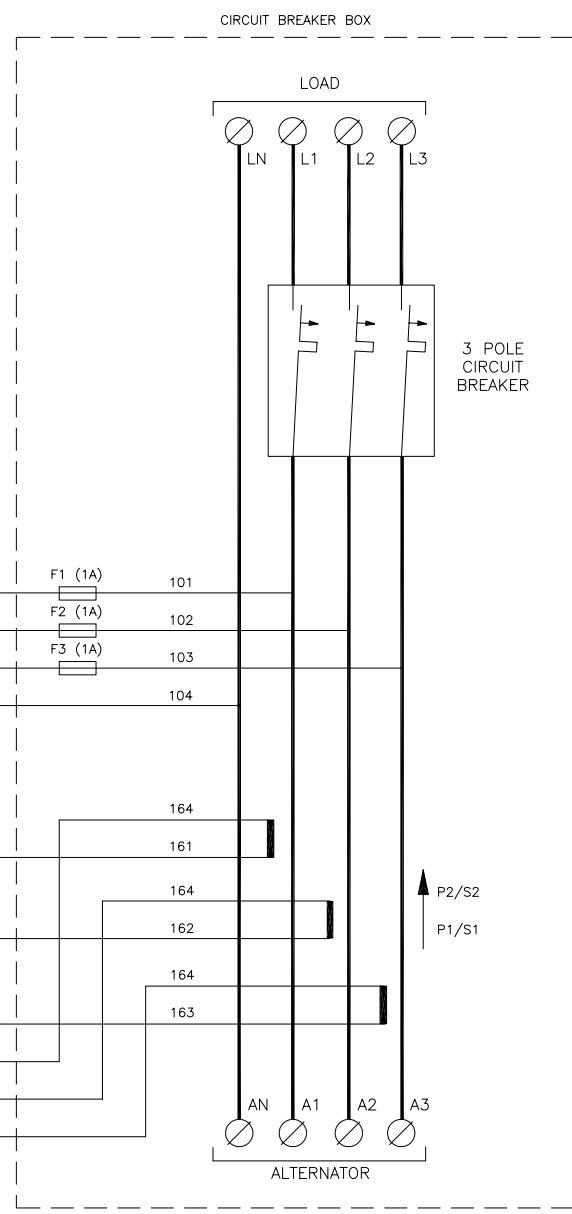
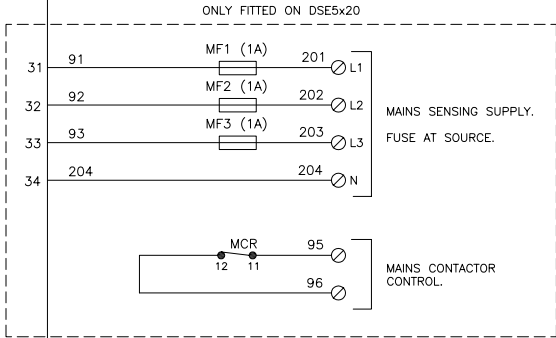


OPTIONAL BATTERY CHARGER
SMPS-12x/24x

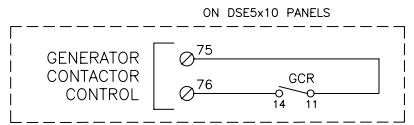
MAINS SUPPLY 230VAC.
CONNECT DIRECT TO BATTERY CHARGER.
FUSE AT SOURCE.
IF INTERCONNECTING TO STANDARD ATS PANEL (230V L-N), TERMINALS 211/204 CAN BE USED.



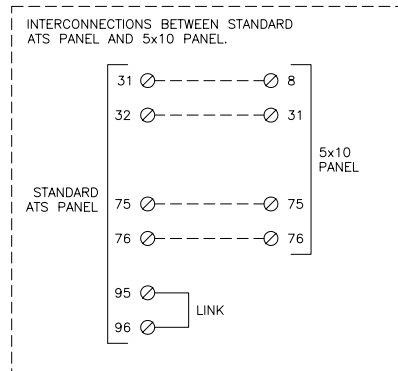
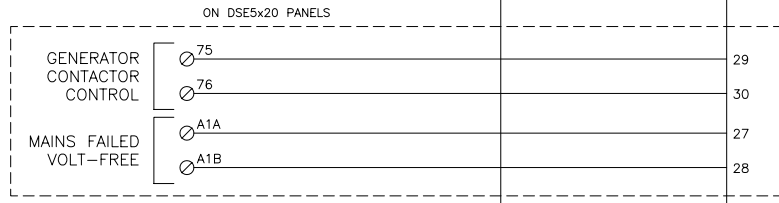
- EMERGENCY STOP (LINK TO 10/11 IF NOT USED) 10 11
- BATTERY POSITIVE 1 2 3 4mm
- FUEL SOLENOID 2 FSR
- START SOLENOID 3 SSR
- OIL PRESSURE SENDER 15 44
- WATER TEMPERATURE SENDER 16 45
- SENDER EARTH (TO ENGINE BLOCK) 17 47
- FUEL LEVEL SENDER (52x0/53x0 ONLY) 14 46
- CHARGE EXCITATION 7 9
- BATTERY NEGATIVE 28 1
- BATTERY NEGATIVE 18 1
- BATTERY NEGATIVE 8 1
- CONFIGURABLE OUTPUT 1 (+VE) 41 6
- CONFIGURABLE OUTPUT 2 (+VE) 42 7
- CONFIGURABLE INPUT 2 (-VE) 32 11
- CONFIGURABLE INPUT 3 (-VE) 33 12
- HIGH COOLANT TEMP SWITCH * 34 13
- LOW OIL PRESSURE SWITCH 35 14

* OPTIONAL # INPUT 6 ONLY ON 52xx/53xx
SPARE INPUT (6) # 36 15

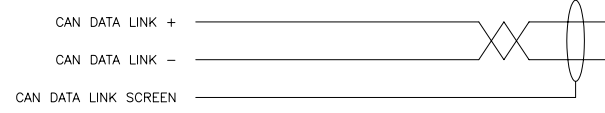
REMOTE START INPUT.
MAKE TO START,
BREAK TO STOP.



NOTE:
REPLACE GCR WITH MCR ON 5x10 PANELS.



NOTES:
USE CANBUS APPROVED 120R APPROVED CABLE.
A DIRECT CONNECTION BETWEEN THE 53x0 AND THE ECU IS RECOMMENDED.
THE 53x0 IS INTERNALLY FITTED WITH A TERMINATION RESISTOR. IT MAY BE NECESSARY TO FIT A TERMINATION RESISTOR AT THE ECU (CONSULT ENGINE MANUFACTURER).
ENABLING THE CANBUS OPTION WILL DISABLE THE OIL PRESSURE AND COOLANT TEMPERATURE SENDER INPUTS (THEREFORE SENDERS ARE NOT REQUIRED).



Designed by RKW	Checked by AGS	Approved by - date RKW - 22/11/06	Filename WEL5xx0A13.DWG	Date 22/11/06	Scale N/A
Welland Engineering			Drawn by RKW	3PH DSE 51x0 / 52x0 / 53x0	
WEL5xx0A				Edition 13	Sheet 1/1