



Improve
Tomorrow

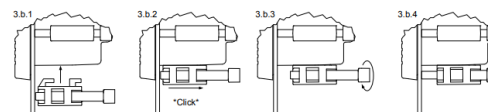
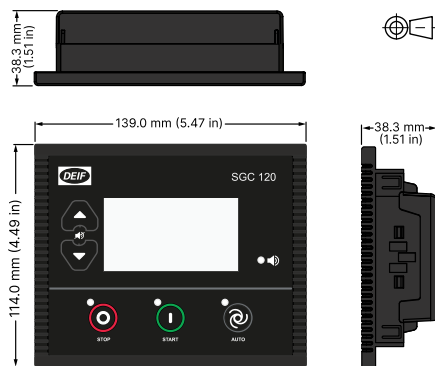
Quick start guide 4189341414A EN

Dimensions

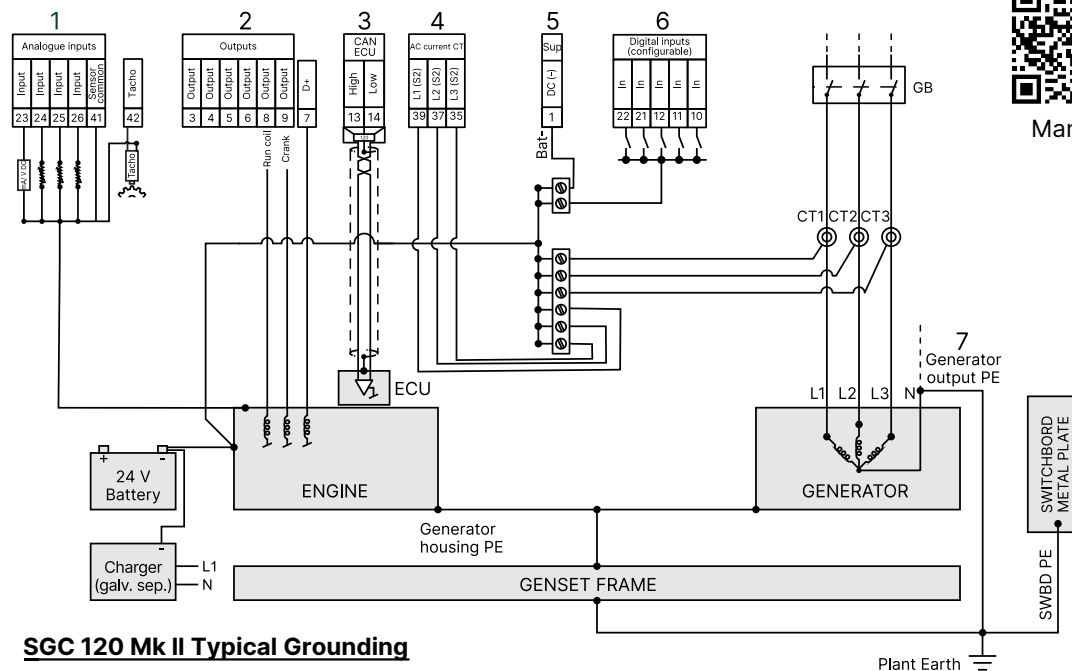
Length: 139.0 mm (5.47 in)
Height: 114.0 mm (4.49 in)
Depth: 38.3 mm (1.51 in)

Panel cut-out

Length: 118.0 mm (4.65 in)
Height: 93.0 mm (3.66 in)
Tolerance: ± 0.3 mm (0.01 in)



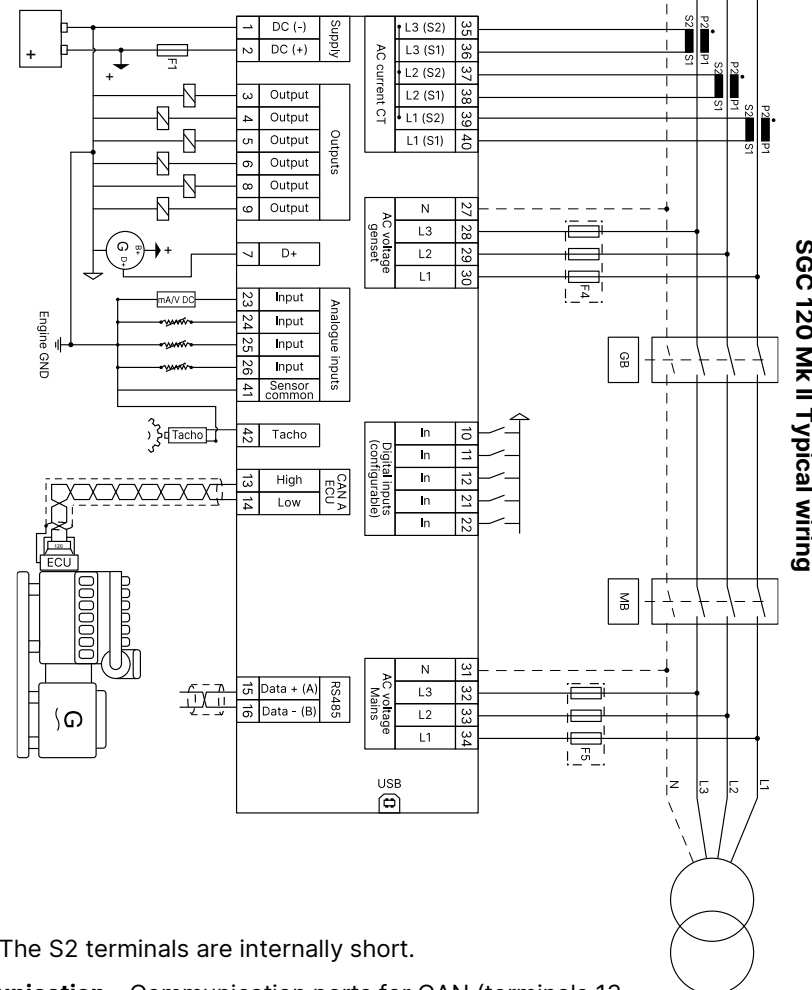
! Tighten the screw clamps to 0.19 Nm. Do not tighten the clamps to more than 0.19 Nm.



1. Terminal 41 (sensor common point) must be connected to a solidly grounded point on the engine, for example the engine frame. The potential difference to terminal 1 (BAT-) must be less than ± 0.5 V.
2. Do not connect the starter motor relay at the stop solenoid directly to the output terminals on the controller. You can configure any of the outputs as run coil and crank.
3. Connect the shield to the engine ECU as described by the engine manufacturer.
4. Current transformers.
5. Power supply DC- (terminal 1) must be connected to BAT- (in this example, the engine).
6. Connect the digital inputs to ground to activate the negative switching.
7. The protective earth for the generator output.



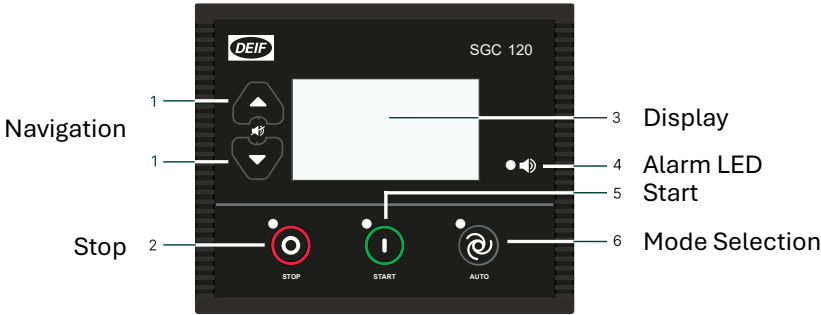
Manual



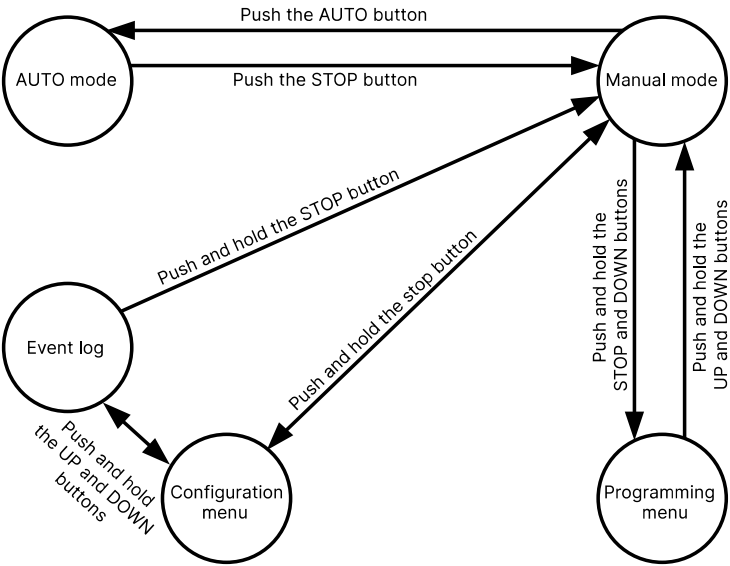
Note - The S2 terminals are internally short.

Communication - Communication ports for CAN (terminals 13 and 14) and RS 485 (terminals 15 and 16) have built-in 120 Ω resistors.

! Use Screwdriver, PH2 or 5mm Flat, torque 0.15 N·m (1.3 lb-in)





Mode and menu selection

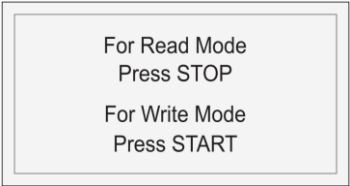





For SGC Mk II PC Tool / Laptop Access:

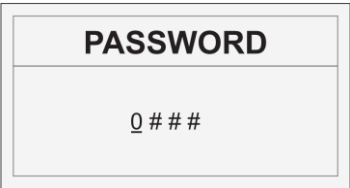
Communication Cable – USB A to B (Printer Cable)
Configuration / PC Tool – DEIF Smart Connect Mk II.
Firmware Flash Tool – Smart Flash.


Configure the parameter settings on the display

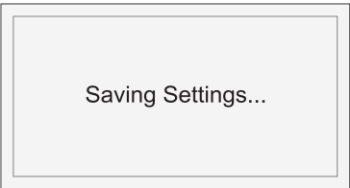
1. Push and hold the Stop/Config button  for a minimum of three seconds.
2. Push the Start  button to continue to the configuration menu.



3. Enter the password. The default password is 0123.
 - Use the Up  and Down  buttons to change the number.
 - Select a number with the Start  button.



4. You can now configure the parameters.
5. To leave the configuration menu, push and hold the Stop/Config  button.
6. The controller exits the menu once your settings have been saved.



The controller automatically exits the configuration menu when there is no user interaction after an adjustable time. Go to Timers > General > Auto Exit Config Mode to configure the timer.

