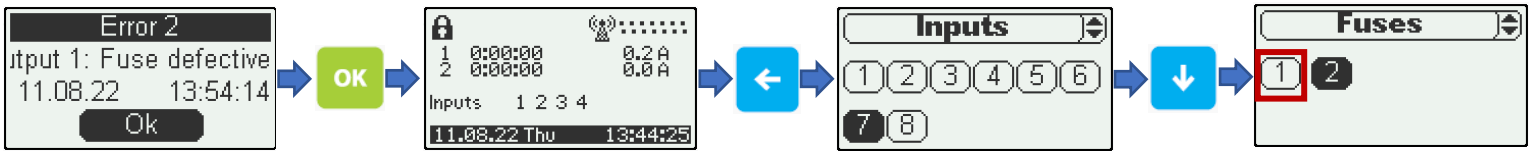
Fuse Replacement

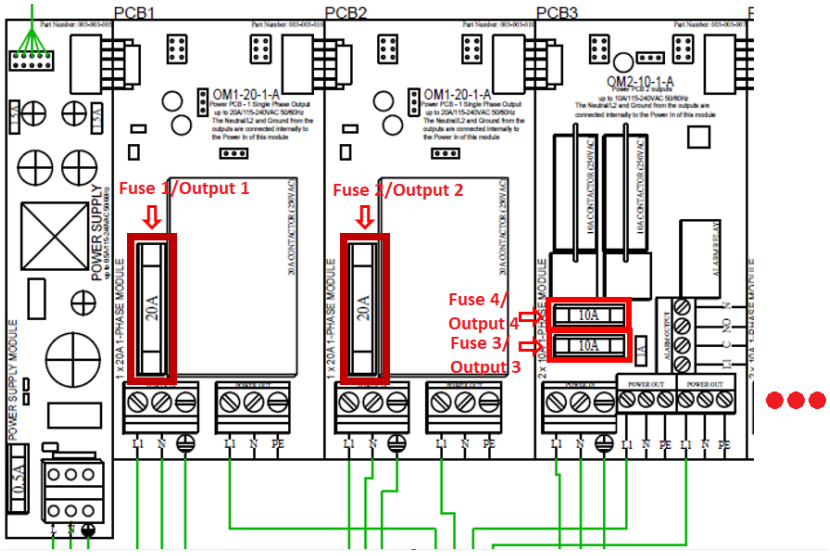
1. Determine the defective fuse(s) by checking the information displayed on your control panel. If an error is displayed on the screen, the error will specify the Output #, the fuse defective is equivalent to the output number. Alternatively, on the control panel interface you can follow the sequence below, the defective fuse will be shown in the **Fuses** section, the number that is left unshaded specifies the fuse that is not active, highlighted in red below:



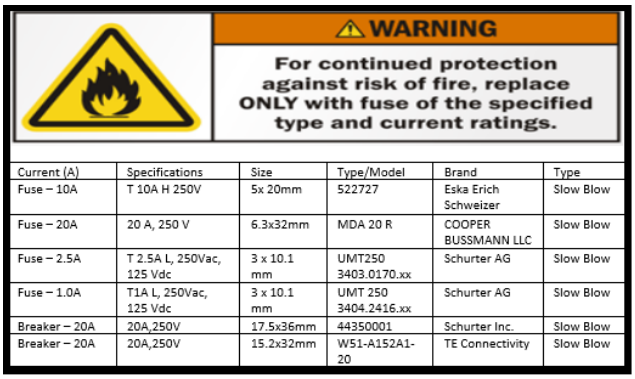
2. Turn the main disconnect power switch counter-clockwise to the OFF Position. The disconnect switch is usually located at the bottom of the panel on the outside. This will disconnect the power to the control panel. <u>DO NOT OPEN THE FRONT PLATE OF THE PANEL IF THE POWER IS STILL ACTIVE!</u>

3. Open the front plate by removing the Phillips screws on the top and bottom right side of the panel, the front plate can now be opened and the circuit boards accessible.

4. There are a few fuses in the panel, please have a look into the diagram below to determine the location of the fuse, the layout of your panel might be different but the concept for numbering remains the same based on the modular boards installed.



5. Once the fuse is located, use a pair of needle nose pliers to pull the fuse out.
   Ensure that the replacement fuse is of the same size, voltage, and amperage rating, it is recommended to use a Slow/Delay fuse. Please see the chart below with the recommended fuse sizes and specs by the manufacturer:

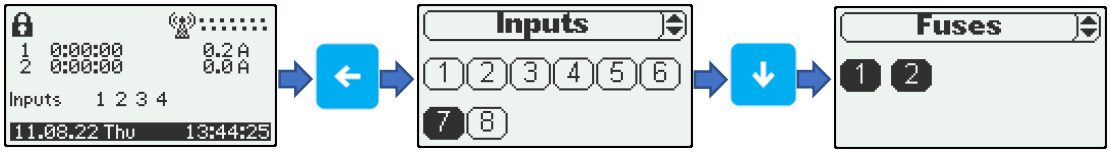


Current (A)	Specifications	Size	Type/Model	Brand	Type
Fuse – 10A	T 10A H 250V	5x 20mm	522727	Eska Erich Schweizer	Slow Blow
Fuse – 20A	20 A, 250 V	6.3x32mm	MDA 20 R	COOPER BUSSMANN LLC	Slow Blow
Fuse – 2.5A	T 2.5A L, 250Vac, 125 Vdc	3 x 10.1 mm	UMT250 3403.0170.xx	Schurter AG	Slow Blow
Fuse – 1.0A	T1A L, 250Vac, 125 Vdc	3 x 10.1 mm	UMT 250 3404.2416.xx	Schurter AG	Slow Blow
Breaker – 20A	20A,250V	17.5x36mm	44350001	Schurter Inc.	Slow Blow
Breaker – 20A	20A,250V	15.2x32mm	W51-A152A1-20	TE Connectivity	Slow Blow

Remember, you must only replace the fuse with a new fuse of the same amperage, size, rating, and type. Attempting to replace it with a higher amperage can be dangerous and can cause serious damage to the panel wiring.

6. Install the new fuse into the same fuse socket.
7. Close the Front Plate and screw the plate down with the Phillips screws removed on step 3.
8. Restore the main power to the control panel by switching the Disconnect switch to the ON position.

If the installation was performed correctly, the fuse will be shaded in the **Fuses** section of your control panel:



If the fuse blows again, it's time to call an electrician or your service provider for an inspection.

Remember that changing a fuse or identifying the cause of a blown fuse can be dangerous. If you do not know what you are doing, do not hesitate to bring in a professional electrician.