

## Using a 509 to replace a 508F Module

### DETAILS

The 508 AMF module from DSE is no longer in production. The 509 AMF module is its replacement, although a number of changes to the panel wiring will be needed. This document outlines the steps necessary to achieve this.

#### ➤ Rewire mains and generator wiring

- Remove wire 1 from the 508 and connect to Pin 9 of the 509
- Remove wire 2 and connect to pin 10
- Remove wire 3 and connect to pin 7
- Remove wire 4 and connect to pin 8
- Remove wire 6 and connect to pin 6
- Remove wire 7 and connect to pin 5
- Remove wire 9 and connect to pin 2
- Remove wire 10 and connect to pin 1

#### ➤ Identify if the set is 3 phase or single phase

*Single phase only.*

- Connect together pins 2,3 & 4 of the 509

*Three phase only.*

- Connect mains L2 (Yellow) to pin 3
- Connect mains L3 (Blue) to pin 4

#### ➤ Rewire DC part of loom

- Remove wire 11 from the 508 and connect to Pin 21 of the 509
- Remove wire 12 and connect to pin 22
- Remove wire 14 and connect to pin 25
- Remove wire 15 and connect to pin 24
- Remove wire 17 and connect to pin 16
- Remove wire 21 and connect to pin 17
- Remove wire 17 and connect to pin 16
- Remove wire 20 and connect to pin 12
- Remove wire 22 and connect to pin 13

#### ➤ Decide if you wish to use the 509 EM stop system or use existing 508 wiring for EM stop.

*509 EM stop system only:-*

- Rewire the EM stop button to give a normally closed +Ve signal.
- Remove wire 13 from the 508 and connect to pin 23 on the 509.

*508 EM Stop system retained:-*

- Link pin 17 and pin 23 together
- Remove wire 7 and connect to pin 11
- Reconfigure 509 Aux. Input 3 to be Immediate Shutdown, with text to read "Emergency stop"

#### ➤ Identify the function of the 508 output relays (normally Alarm [19] and pre-heat [18]). (508 is -Ve output / 509 is +Ve output - Therefore it will be necessary to re-wire to output relay circuit in the panel)

- Configure the 509 to match these functions (Normally):-
- Configured op - Pre-heat
- Rewire output 1 circuit to use +Ve output (Not -Ve as 508)

- Remove wire 18 and connect to pin 19
- Rewire output 2 circuit to use +Ve output (Not -Ve as 508)
- Remove wire 19 and connect to pin 18

- **Check the 509 configuration using the 801 hand held configuration module to ensure that all setting and timers are correctly matched to the old 508 settings.**
- **Proceed with normal 509 commission instructions to verify function is correct.**

Should you have any queries arising from this application note please contact our Technical Department as detailed below:-

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