

QUICK PARALLEL MPS 5.0

Close disabling.

This selector will be only included in case of CMD 2.0 and motorized circuit breaker. Disable the circuit breaker's motor to avoid the closing.



Slave function

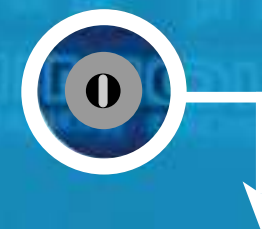
Super Droop

I = Selector ON. **O** = Selector OFF.

I-I-I → Without CAN BUS

O-O-O → With CAN BUS

I-I-O → If some of the gensets are connected with CAN BUS and others with Super droop, load oscillation or reverse power can occur.



Control panel activation

Feed up the control panel. When genset is capable to be on, this selector must be ON.

I = Genset on load. **O** = Genset without load.

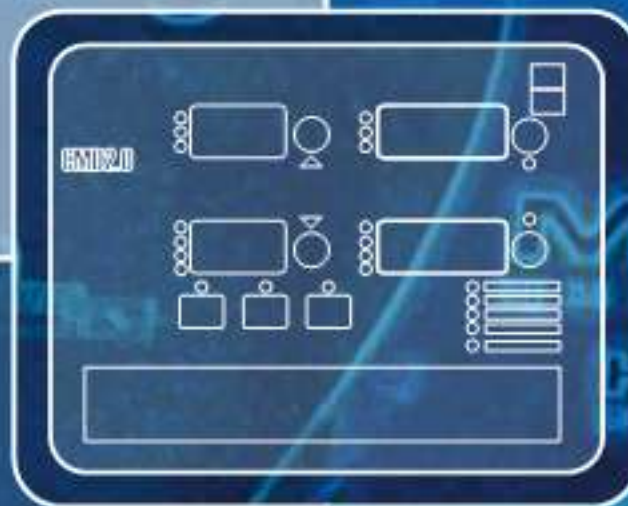
* Example of three genset

O-O-O → Permanent parallel.

O-O-I → Two on load, the rest will be coupled under load request.

O-I-I → One on load, the rest will be coupled under load request.

I-I-I → One gensets will be random on load, and the rest will be coupled under load request.



*Example panel MTU with CMD2.0



Never access to the internal regulation of the module.

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● GENSET'S COMMUNICATION.

Exist two communication possibilities between MPS 5.0's modules.

A. - CAN Bus communication. (8 Gensets maximum)

B. - Super droop. (up to 16 gensets)

Don't use both options at same time

● PARALLEL PROCESS.

1. - Set all the selectors choosing the desired option.

2 A. - In case of motorized circuit breaker.

1.- Start up one of the gensets.

2.- Wait until the circuit breaker close. (It is not necessary load)

3.- Up this moment, the rest of the gensets can be started up one by one.

4.- ¡DANGER! NEVER START UP TWO GENSET AT THE SAME TIME; THE CIRCUIT BREAKER WOULD CLOSE WHEN THE SIGNAL IS NOT SINCRONICE.

5.- PUT SPECIAL ATTENTION TO THE PHASES' CONECTION. THE SECUENCE MUST BE CORRECT. A CONECTION'S FAILURE CAN CAUSE DEFECTS ON THE SINCRONIZATION.

2 B.- In case of manual circuit breaker.

1.- Start up one of the gensets. Close manually the circuit breaker.

2.- Start up the second genset . Wait until the " synchronization OK " light is ON. Close manually the circuit breaker.

