

		EEN-025
	Safety Supervisor Masking	Eng. to Eng.Note 2009-03

The aim of this Engineer to Engineer Note is to show the possibility to mask Safety Supervisor Error in order to test the generator in different condition.

The applicability of this EEN is Apollo HF-Compact

The following steps will show the way to mask/activate a safety.

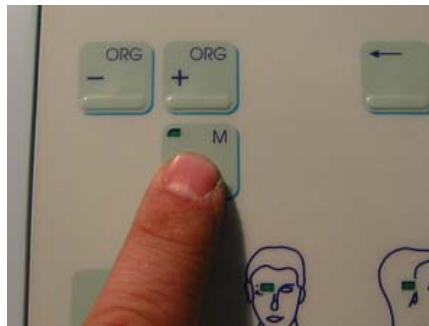
In last section of this document a list of suggested item to be masked is reported.

OPERATING INSTRUCTION

Switch ON the generator



Turn the switch on MCU board (Main computer in front of the generator) in RIGHT (SERVICE) position



Press the MEM key.

The screen turns as below



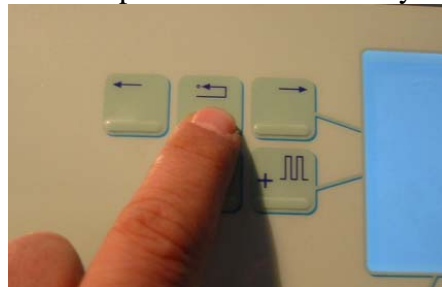
DOCUMENTO		FOGLIO
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EEN-025 SAFETY SUPERVISOR MASKING.doc		di 4

		EEN-025 Eng. to Eng.Note 2009-03
	Safety Supervisor Masking	

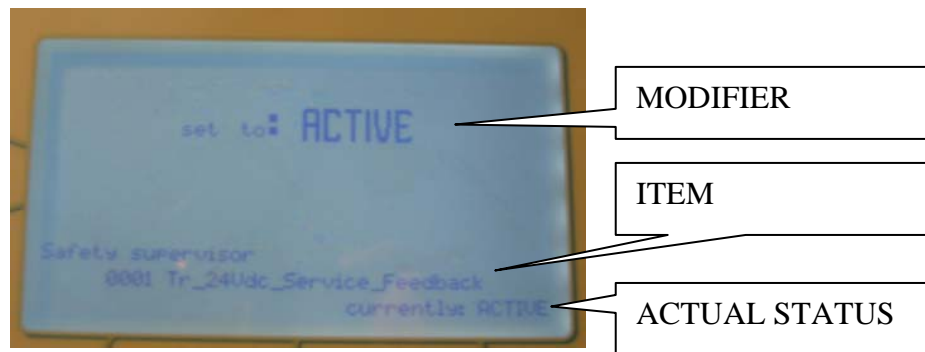
Press the MIDDLE PLUS key until the text turns to “Safety supervisor”



Now press the ENTER key to select the options related to Safety Supervisor Board

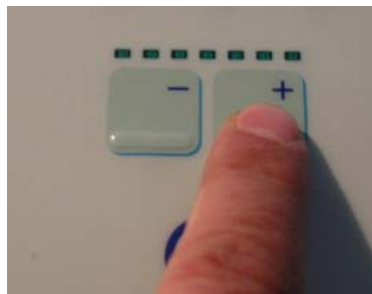


The screen turn to



The MODIFIER is the status that the ITEM will be set to, it can be ACTIVE or MASKED
 The ITEM is the CHECK we have to ENABLE (ACTIVE) or DISABLE (MASKED)
 The ACTUAL STATUS is the status stored in the generator

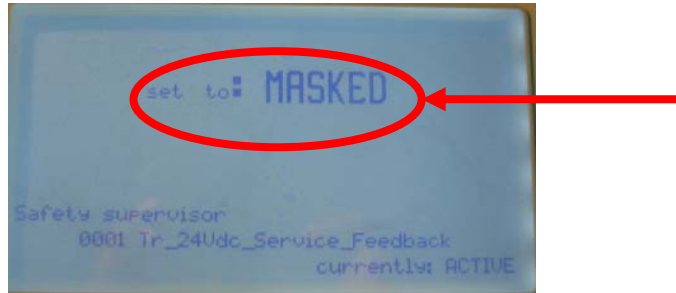
In order to change the status from ACTIVE to MASKED use the Automatic Exposure “Exposition” control as below



DOCUMENTO		FOGLIO
NOMEFILE		2
EEN-025 SAFETY SUPERVISOR MASKING.doc		di 4

		EEN-025 Eng. to Eng.Note 2009-03
	Safety Supervisor Masking	

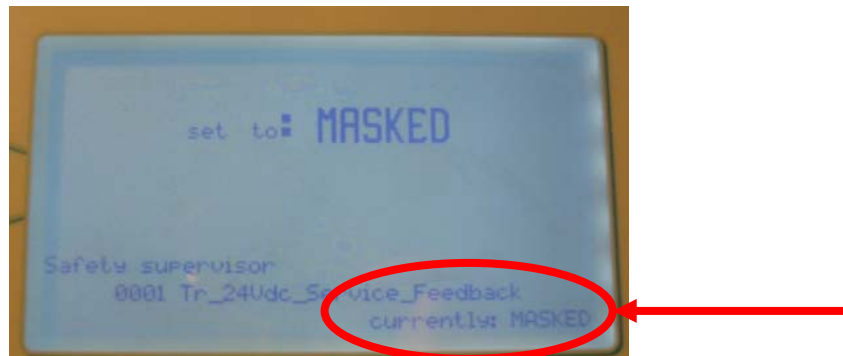
This will check the MODIFIER:



In order to change the ACTUAL STATUS press the ENTER key

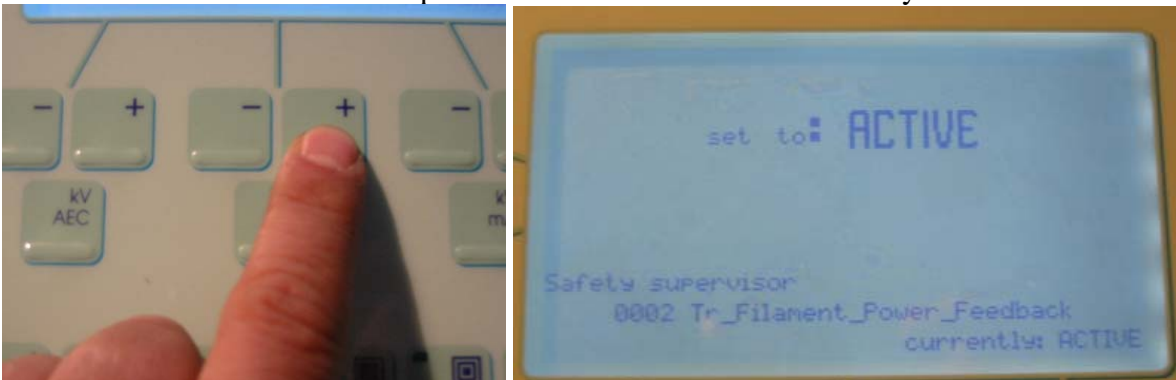


This will change the ACTUAL STATUS:



SELECTING THE FURTHER ITEMS

In order to CHANGE the ITEM press the MIDDLE PLUS/MINUS key as follow:



DOCUMENTO		FOGLIO
NOMEFILE		3
EEN-025 SAFETY SUPERVISOR MASKING.doc		di 4

		EEN-025 Eng. to Eng.Note 2009-03
	Safety Supervisor Masking	

Then set them to "MASKED" as described above

In order to check the system it is possible to mask every item.

When the generator is left to the user check the following list to set ACTIVE the items that needs to remain active for Countries regulation depending safeties such as the SAFETY TIMER and the COMMUNICATION WATCH DOG

POSSIBLE PERMANENTLY MASKED CHECKS

- "0001 Tr_24Vdc_Service_Feedback"
- "0002 Tr_Filament_Power_Feedback"
- "0004 Tr_Mains_Power_Feedback"
- "0008 Tr_Safety_Switch_Feedback"
- "0010 Tr_24Vdc_Service_Shorted"
- "0020 Tr_Filament_Power_Shorted"
- "0040 Tr_Mains_Power_Shorted"
- "0080 Tr_Safety_Switch_Shorted"

FOR TUBE SAFETY PURPOSE AVOID MASKING PERMANENTLY FOLLOWING ITEMS

- "0100 OAB_NO_Feedback"
- "0200 OBF_NO_Feedback"

POSSIBLE PERMANENTLY MASKED CHECKS

- "0400 IR110_Low_Linef"

FOR TUBE SAFETY PURPOSE AVOID MASKING PERMANENTLY FOLLOWING ITEMS

- "0800 IR1110_One_Phase_Lost"
- "1000 IR1110_Line_Error"

FOR COUNTRY REGULATION PURPOSE NEVER MASK PERMANENTLY FOLLOWING ITEMS

- "2000 Emission_Timer_Safety"
- "4000 CANBus_Watchdog"

IN CASE THE AUTOSWITCH OFF AFTER ONE HOUR OF NO X-RAY EMISSION IS NEED UNMASK THE FOLLOWING BIT

- "8000 Automatic_Switch_Off"

DOCUMENTO		FOGLIO
NOMEFILE		4
EEN-025 SAFETY SUPERVISOR MASKING.doc		4