



GEKKO / OCTO+ / G-ONE

ADVANCED SETUP - FLASH VARS

MANUAL 230522



MADE IN PORTUGAL - EU

GLOBAL FIRE EQUIPMENT S.A.

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USER GUIDE INSTRUCTIONS



WARNING

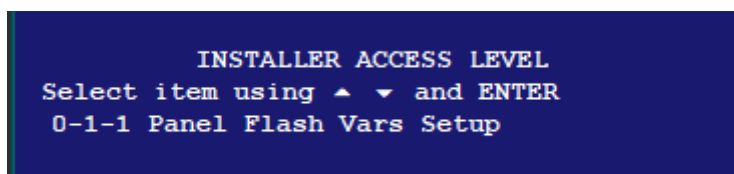
Changes made to the customer flash configuration should only be implemented by qualified personnel. Any changes introduced at this level, if done incorrectly, can impair the proper functioning of the panel. If you do not know how to use the information in this document please STOP.

INSTALLER CODE

The menu is accessible when INSTALLER/ENGINEER CODE is used.



To access the various options for panel behavior, the user needs to log in to Menu 0-1-1, which is labeled as "Panel Flash Vars Setup."

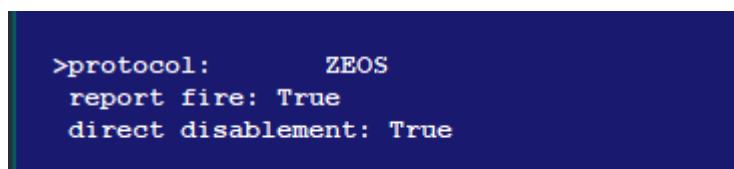


The default setting for the options is either TRUE or FALSE, where TRUE means the option is enabled, and FALSE means the option is disabled. In other words, the terminology used for the options is as follows:

TRUE = Enabled

FALSE = Disabled

MENU DISPLAY



Protocol: This field is used to choose the protocol that will be used with the panel. The protocol selected should correspond with the supplier of the analogue addressable devices that are being used with the panel. The following protocols are available:

- **ZEOS**
- **GFE**
- **ADVANCED (compatible with Apollo Xp95 and Discovery)**
- **WIZMART**

```
protocol:      ZEOS
>report fire: True
direct disablement: True
```

- **Report fire:** If the user selects the option as FALSE, the panel will display "ALARM" instead of "FIRE."
- This field is **True** by default.

```
report fire: True
>direct disablement: True
allow transparent mode: True
```

- **Direct disablements:** Enabling this option allows for the direct disabling of devices that are in a state of fault or fire. This includes local disablements, such as sprinklers modules or aspects.
- This field is **False** by default.

```
direct disablement: True
>allow transparent mode: True
dev 1 min double knock: False
```

- **Allow transparent mode:** Enabling this option will allow any device to report transparent, with the exception of the manual call point and zone monitors, as long as they are selected to report transparent in Menu 6-1-4. If this option is set to False, only the Input/Output and Monitor modules will be permitted to report transparent.
- This field is **True** by default.

```
allow transparent mode: True
>dev 1 min double knock: False
ac fault latch: True
```

- **Device 1 min Double knock:** Enabling this option will allow for an alarm confirmation from the detector within 60 seconds, as specified by EN54-2 7.12 Type A.
- This field is **False** by default.

```
dev 1 min double knock: False
>ac fault latch: True
loop fault init delay: False
```

- **ac fault latch:** This option ENABLES\DISABLES the latching functionality of the primary supply source fault. When **True** the primary supply fault will only be cleared with a reset on the panel, if **False** the fault will be cleared automatically as soon as the fault condition disappears.
- This field is **True** by default.

```
ac fault latch: True
>loop fault init delay: False
auto active mode: False
```

- **Loop Fault init delay:** Enabling this option enables or disables the latching functionality of the primary supply source fault. If this option is set to True, the primary supply fault will only be cleared with a reset on the panel. However, if this option is set to False, the fault will be automatically cleared as soon as the fault condition disappears.
- This field is **False** by default.

```
ac fault latch: True
>loop fault init delay: False
auto active mode: False
```

- **Auto active mode:** Enabling this field will cause the panel to automatically enter active mode if it has been in installation mode without any intervention for 12 hours. If this field is set to False and the panel is left in installation mode, it will remain in installation mode indefinitely.
- This field is **False** by default.

```
loop fault init delay: False
>auto active mode: True
evac before fire: True
```

- **Allow evac before fire:** If this option is set to False, the panel will not allow an evacuation to be triggered unless there is at least one fire event reported. However, if this option is set to True, the evacuation can be triggered at any moment regardless of whether there are any fire events reported.
- This field is **True** by default.

```
evac before fire: True
>auto menu lock: False
user code disable NOT EN54!/: False
```

- **Auto menu lock:** Enabling this option will cause the panel to automatically log out and return to normal mode if the menus are left activated for a certain period of time. Specifically, the timeout period will be activated when this option is set to **True** panel.
- This field is **False** by default.

```
auto menu lock: False
>user code disable NOT EN54!?: False
immediate device fault: True
```

- **User code disable “NOT EN54”:** Enabling this option will allow for the use of a user access code when entering the panel. If this option is disabled, a user access code will not be required to access the panel.
- This field is **False** by default.

```
user code disable NOT EN54!?: False
>immediate device fault: True
prealarm report fault: True
```

- **Immediate device fault:** If this option is set to False, any device faults will be immediately confirmed and triggered without delay.
- This field is **True** by default.

```
immediate device fault: True
>prealarm report fault: True
low earth fault sensitivity: False
```

- **Pre Alarm report fault:** Enabling this option will cause the FAULT relay to be activated during the pre-alarm state. However, if this option is set to False, the FAULT relay will not be triggered if detectors are in the pre-alarm state.
- This field is **True** by default.

```
prealarm report fault: True
>low earth fault sensitivity: False
manage inrush: True
```

- **Low earth fault sensitivity:** If this option is set to True, it reduces the sensitivity of the panel to detect an earth fault.
- This field is **False** by default.

```
low earth fault sensitivity: False
>manage inrush: True
disable BAT Rin test NOT EN54!!: False
```

- **Manage inrush:** If this option is set to False, there will be no delay on the panel to help minimize the current inrush during power up. This feature should only be used on Octo+ large box versions only on first node+ PCB and on rest two PCB's it must be set to "False".
- This field is **True** by default.

```
manage inrush: True
>disable BAT Rin test NOT EN54!!: False
ignore prealarm: False
```

- **Disable BAT Rin TEST "NOT EN54":** Enabling this option will allow the user to enable or disable the internal resistance monitoring of the battery. If this option is set to True, the panel will not test the battery's internal resistance (Rin) if it is less than 3 Ohms.
- This field is **False** by default.

```
disable BAT Rin test NOT EN54!!: False
>ignore prealarm: False
MCP active with zone disabled: False
```

- **Ignore pre alarm:** Enabling this option will allow the user to disable pre-alarm notifications.
- This field is **False** by default.

```
disable BAT Rin test NOT EN54!!: False
ignore prealarm: False
>MCP active with zone disabled: False
```

- **Mcp active with zone disable:** Enabling this option will allow the user to enable the operation of call points when zones are disabled.
- This field is **False** by default.

MASTER CODE

Different from normal Installer code. There are Menus in the panel that can only be accessed using Master code.



0-1-2 Clear Customer Flash Memory

This function will erase all customer configurations, including the cause-effect programming, stored in the panel. This menu feature can only be accessed by logging in with the Master Code.

Additionally, all selective disablements defined in "6-1-3 Set Selective Disablement" will be cleared.

```
0-1-2 Erase All Panels (Factory Reset!!)
Press ENTER to start, ESC to exit
Warning: All system config will be wiped
```

0-1-3 Set Maintenance Date & Time

This feature enables the installer, using the MASTER code, to set a maintenance date on the panel. Once the programmed date is reached, the panel will generate a fault that can only be cleared by re-entering the MASTER code. The maintenance dates can be set either manually or automatically after accessing the panel programming menus with the MASTER code.

- Press ENTER/OK. The following information should be displayed on the panel's LCD display:

```
0-1-3 Set Maintenance Date Time
▶ Select ▲ ▼ Set DD-MM-YY HH:MM
TRIGGER: DISABLED 31-12-00 00:00
AUTO RETRIGGER (MONTHS): 00
```

This is a set of instructions for setting the next Maintenance Date and enabling/disabling the Maintenance Date feature on a panel:

1. Press ENTER/OK.
2. Enter the next Maintenance Date in the format shown on the screen.
3. Press ENTER/OK after completing each date/time field. The cursor will move to the next available field.
4. When the cursor is in the TRIGGER field, use the arrow up or down to change from DISABLED to ENABLED.
5. To disable this feature, repeat the same steps and change TRIGGER from ENABLED to DISABLED.
6. Once the Maintenance Date is reached, the panel will show a MAINTENANCE FAULT.
7. To clear the fault, enter programming mode using the MASTER code.
8. Note that entering the MASTER code will reset the next Maintenance Date and disable the feature. To re-enable it, a new date must be entered and the mode changed to ENABLED.
9. Alternatively, a cyclical date can be used by setting the Auto retrigger mode to a value greater than 00. This will offset the next maintenance date by the specified number of months when the initial maintenance date is reached and the fault is reset using the MASTER code.

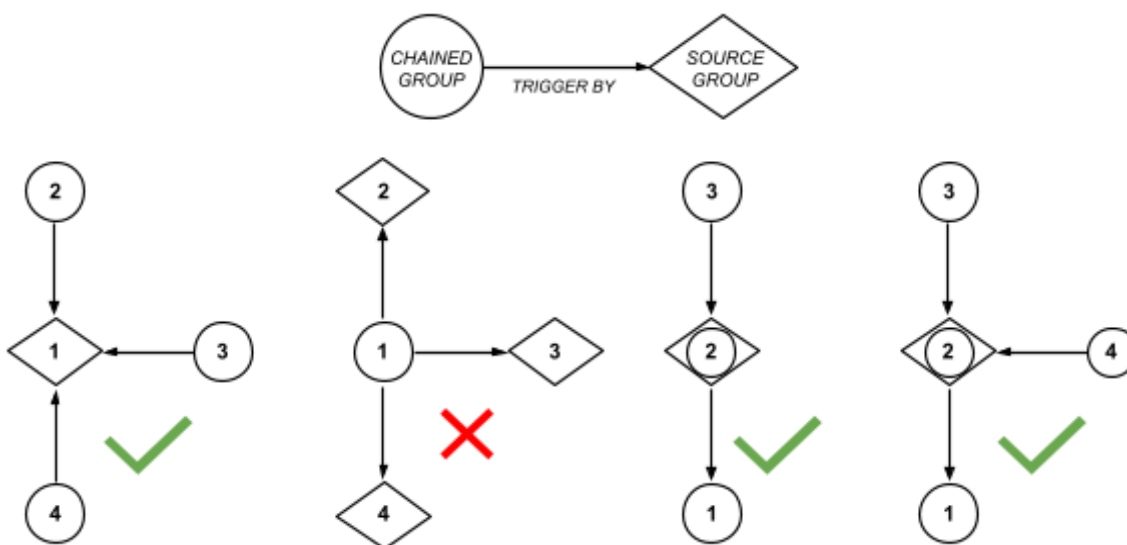
10. To change the Auto retrigger field, use the arrow keys on the panel. The Maintenance DATE mode will remain enabled even after entering the MASTER ACCESS CODE to reset the MAINTENANCE fault when using auto retrigger functionality.

0-2 Configure IO group chaining

This new function refers to the chaining of IO groups that occurs as follows:

One IO group can trigger another group or several groups. On the other hand, an IO group can only have another IO group as a trigger. This can be better seen in the following flowchart.

The triggering group of the source group is stored in the triggered group. For example, if groups 2, 3, and 4 are chained to group 1, then when group 1 is triggered, all other three groups will also be activated. To perform the chaining, it is necessary to access Menu 0-2 and fill in "Group 2 triggered by Group 1"; "Group 3 triggered by Group 1" and "Group 4 triggered by Group 1". It is noticed that there is no chain to follow with the activation of group 2, only from Group 1.



So, if you maintain separate group chains without overlapping groups, everything should work as expected, but when there are overlapping groups between actions/chains, and if we can disable groups and not just enable them. This is done through:

- Transparent devices
- Disable IO group from zone
- Disable IO group

Specifically, multiple reversible activations will not follow each other, which means if group 2 is activated through a zone disablement, then group 1 is activated through another zone disablement, all IOs in groups 1, 2, and 3 are now active. Enabling the zone that activated group 2 will reactivate the IOs of group 2, even if group 1 is still active (which is linked to groups 2 and 3).

The configuration can occur through the Connector or through menu 0-2.

```
0-2   Configure IO Group Chaining
▶ select field      ▲ ▼ alter value
GROUP: 001 activated by GROUP: 000
```



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