



## 1. GENERAL&APPLICATION

This document contains technical information necessary for application design using the AL30-503A&AL30-503B Marine Fire Detection control panel. The panel design according to requested system.

Main panel is the logic control unit of system.

Apply all safety precautions.

Check delivery for any transformation damage.

All parts and devices must be use as manufacturer recomended.

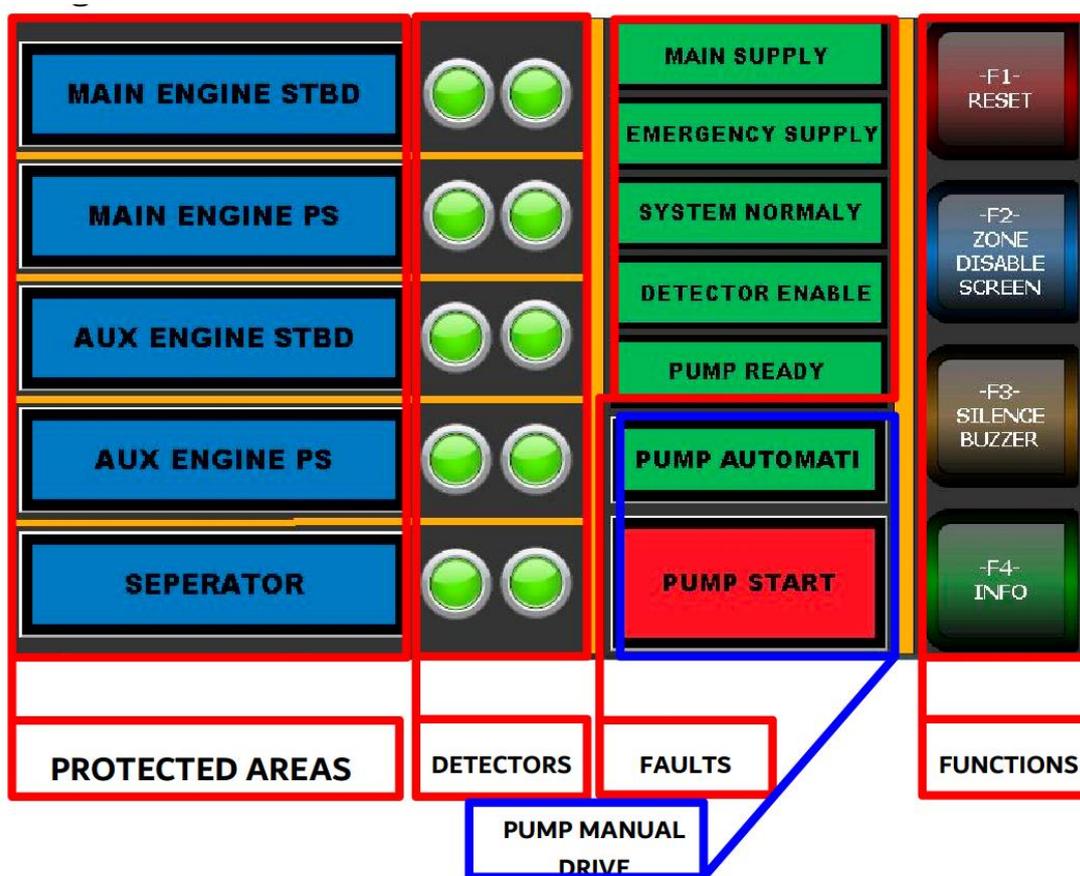
Only qualified personnel access.

All maintanence process required as recomended by manufacturer.



### 1.1. User Interface & Usage

Panel has 7.0" TFT-LCD with backlight 800x480 pixels, 64k colours. Operating temperature of screen is -10°C to +60°C and weight is 0.8 kg according to the manufacturer. When system activated you will see the main page, shown at Fig T1.0 below.



FIGT1.0. MAIN PAGE

| PROUDCT NO. | PROUDCT           | WIDTH(mm) | HEIGHT(mm) |
|-------------|-------------------|-----------|------------|
| AL30-503A   | L.A.S. MAIN PANEL | 735       | 585        |
| AL30-503B   | L.A.S. MAIN PANEL | 520       | 585        |

503A&503B are panels that use for same purpose, dimesion may shown difference depends to the project.



**ROTECTED AREAS**, touchable column of screen, that column shows protected areas. Each cell in the column is presents an area. If cell is blue, area is ready to extinguishing process, cell turns to yellow when extinguishing process is begin. Also thesee cells opens areas manually. Each cells begins to extinguishing process in related room when you touch to the pannel.

**DETECTORS**, Each area has 2 detectors, one flame detector and one optical smoke&heat detector. This column shows signals from detector.

When one of the detectors is turns to yellow; internal buzzer of main panel begin to sound but system does not begin to extinguishing process, if signal doesn't come from both of the detectors.

**FAULTS**, NONtouchable column of screen, that column shows faults given below,

• **MAIN SUPPLY (FIG.T.1.1)**

If main supply of system cuts with any reason "MAIN SUPPLY" cell turns to yellow and "SYSTEM NORMALLY" turns yellow "SYSTEM FAULT" system gets power from batteries. When you fixed main supply fault cell turns to green automatically.

• **EMERGENCY SUPPLY (FIG.T.1.2)**

If emergency supply of system cuts with any reason "EMERGENCY SUPPLY" cell turns to yellow and "SYSTEM NORMALLY" turns yellow "SYSTEM FAULT"

When you fixed emergency supply cell turns to green automatically.

• **PUMP OVERLOAD (FIG.T.1.3)**

If pump gets overload with any reason green "PUMP READY" cell turns to red "PUMP OVERLOAD" cell and "SYSTEM NORMALLY" turns yellow "SYSTEM FAULT" when you fixed overload, cell turns to green automatically.

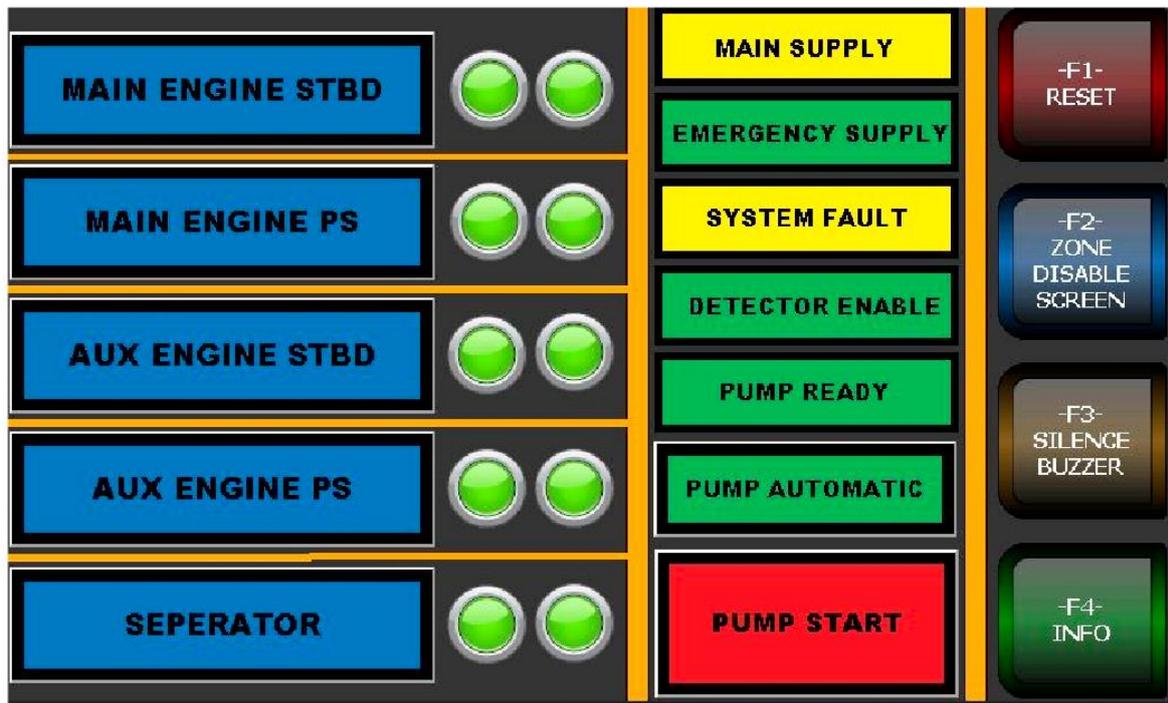


FIG.T1.1. MAIN SUPPLY

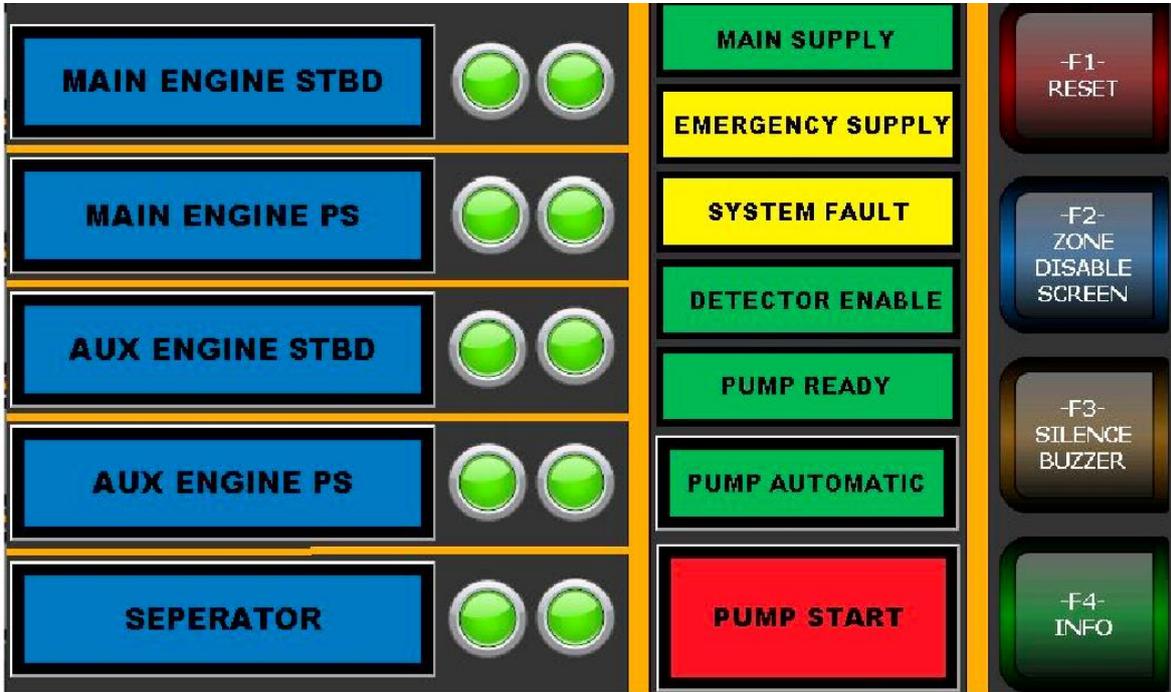


FIG.T1.2 EMERGENCY SUPPLY

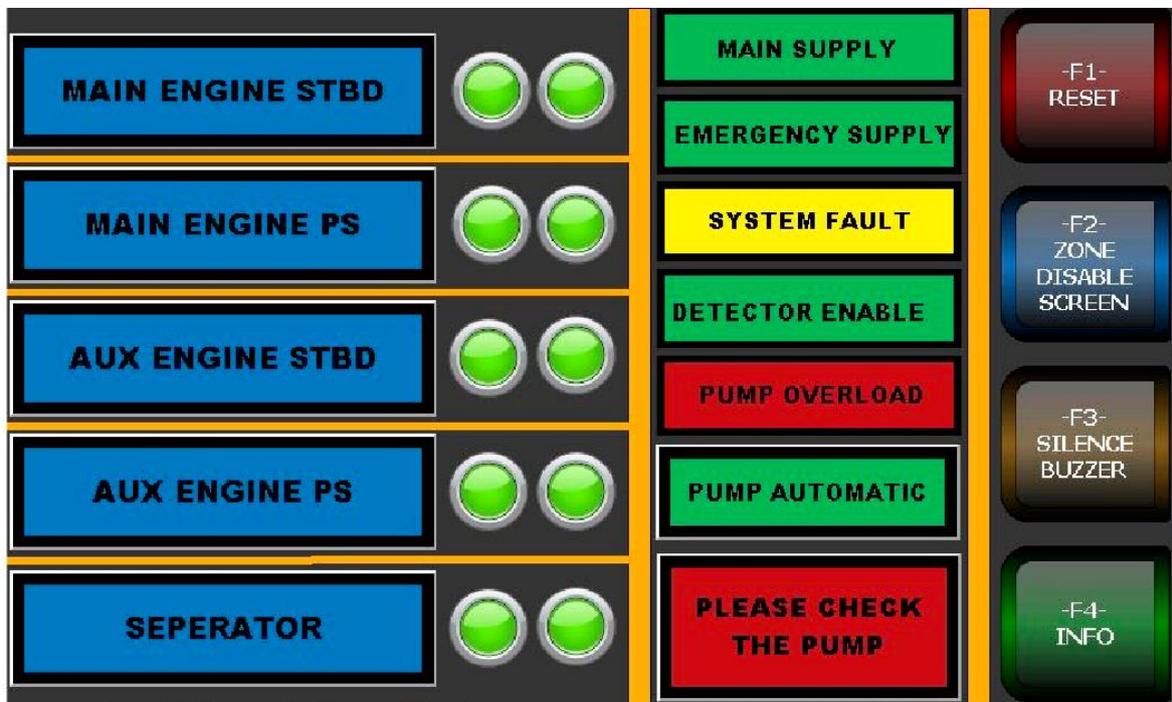


FIG.T1.3. PUMP OVERLOAD



**DETECTOR (FAULTS)**, NONtouchable column of screen, that column shows faults given below,

• **DETECTOR FAULT**

If panel lost signal that comes from any detector in any room, you will see that 2 of detectors which blong to the section turns to yellow. Check the detectors for any cut, when you fix the detectors fault will be erase automatically.

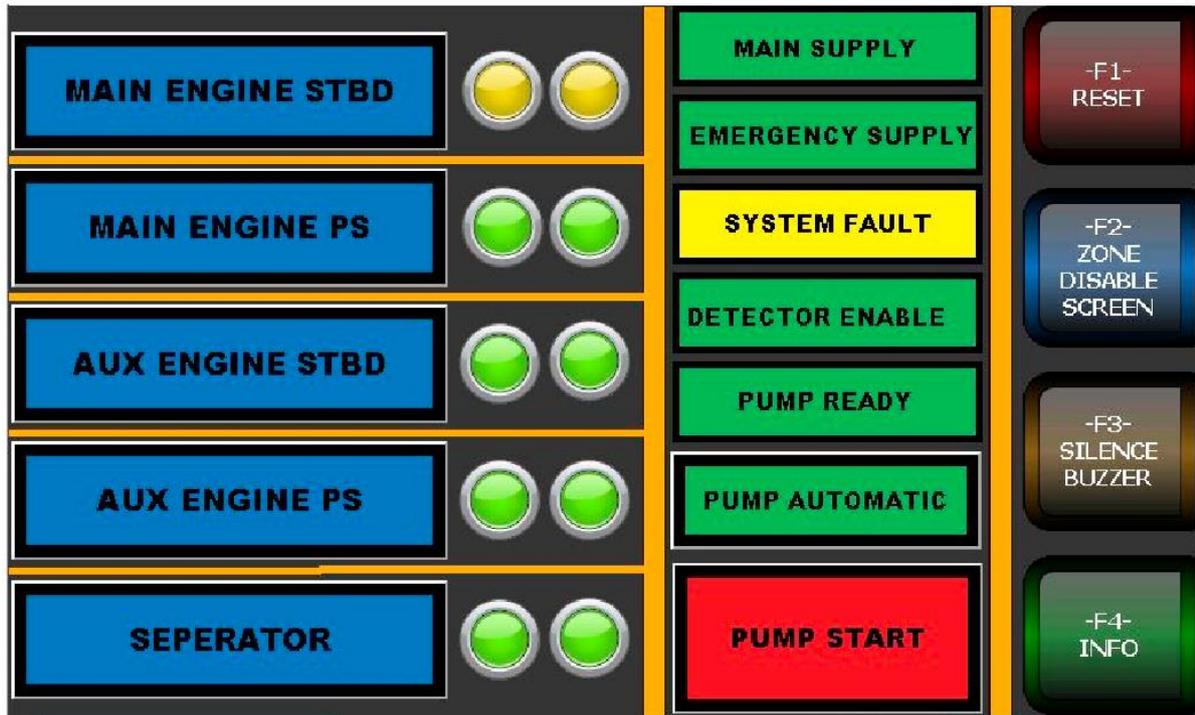
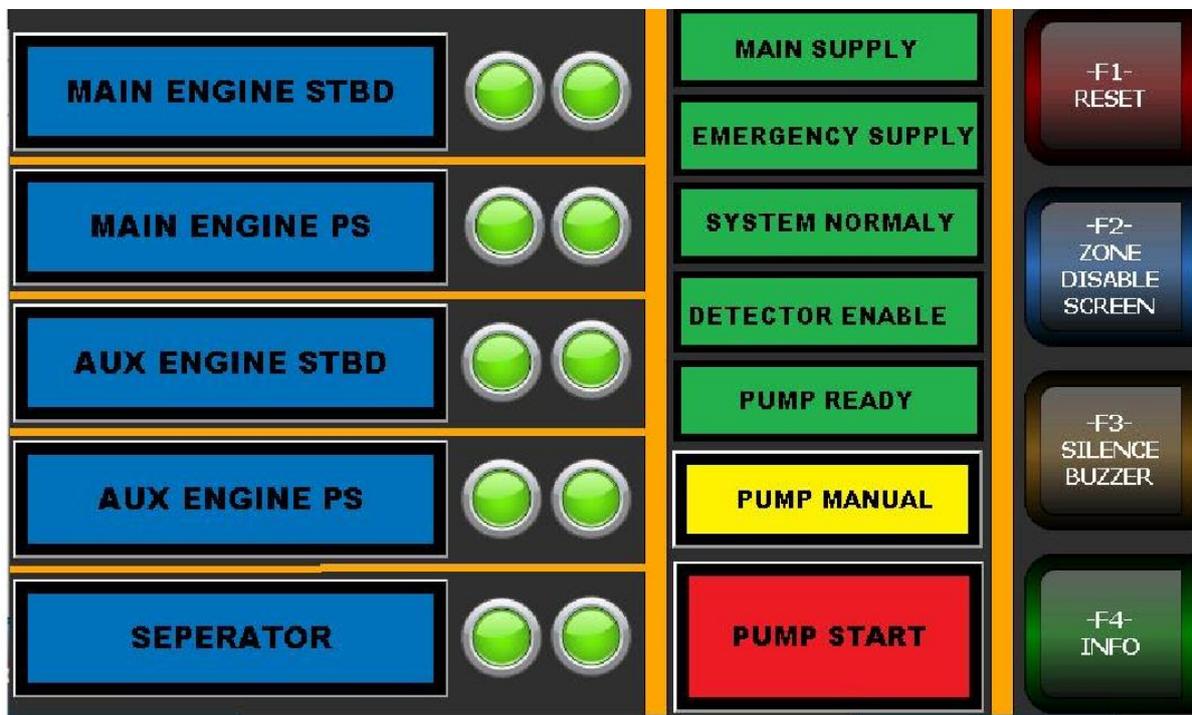


FIG T1.3B DETECTOR FAULT

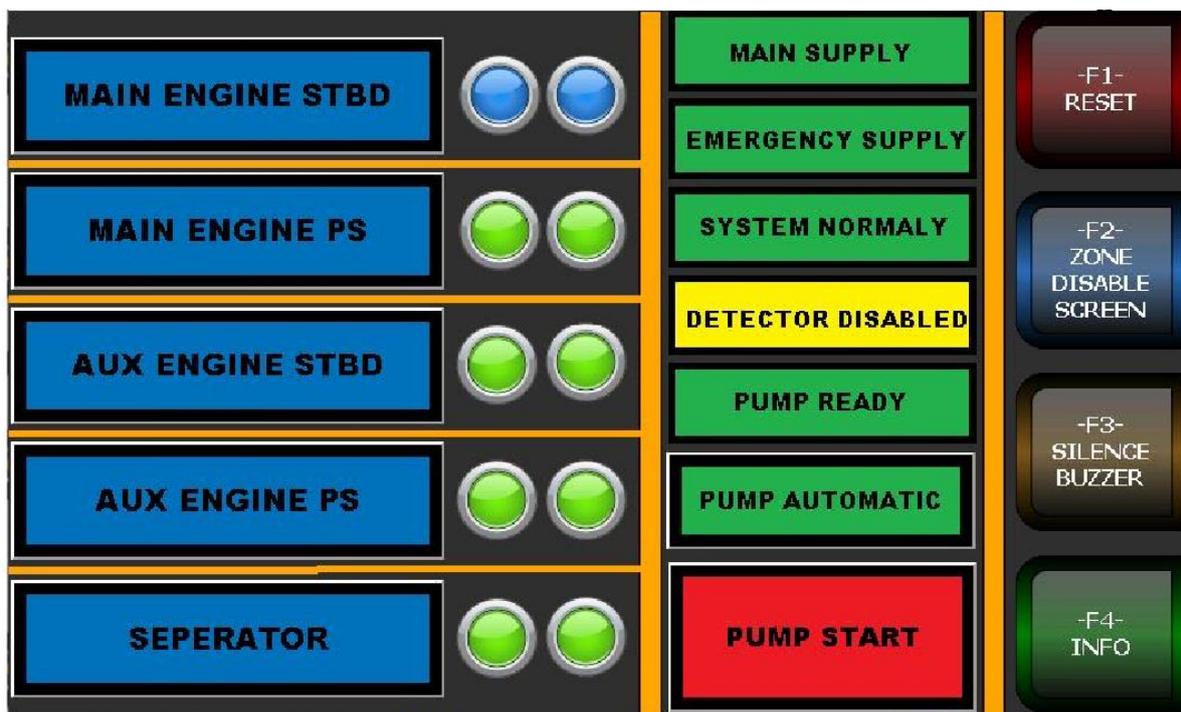


**PUMP MANUAL DRIVE**, In case of emergency situations system has manual pump drive mode, if you touch "PUMP START", green "PUMP AUTOMATIC" cell turns to "PUMP MANUAL" with your touch to the red "PUMP START" pump begins manually.(FIG.T.1.4)



**FIG T1.4. PUMP MANUAL DRIVE**

**DETECTOR ENABLE**, If you have to work with Fire, heat or any process includes smoke, flame etc. in the protected space, you must disable detectors in the room which need to work in. Touch the Function cell "F2 ZONE DISABLE SCREEN" and touch the room which you need to deactivate detectors in. You may check the disabled detectors from "DETECTOR ENABLE" cell. All detectors that disabled turns to blue from green(FIG.T.1.5)



**FIG T1.5 DETECTOR DISABLED**



**almar**  
foreign trade limited company

LOCAL APPLICATION SYSTEM MAIN PANEL

PROUDCT NO: AL30-503A

AL30-503B

**FUNCTIONS**, System has four function key on,

• **RESET**

After any incident manual or automatic, you must reset system. Touch "F1 RESET" button. System will reset automatically.

• **ZONE DISABLE SCREEN**

When you have to work with fire or heat in any zone you must disable to zone before work."F2 ZONE DISABLE SCREEN" button shows you to any disabled room.



"F4 INFO screen general information user interface, mainpage or user access section.





## **2. INSTALLATION**

**Local application system main panel**, use lug's for installation. Lugs comes with panel, assamble to the panel and install panel by using lugs.

## **3. MAINTANANCE**

Clean the panel with a dry fabric or use proper cleaning liqued

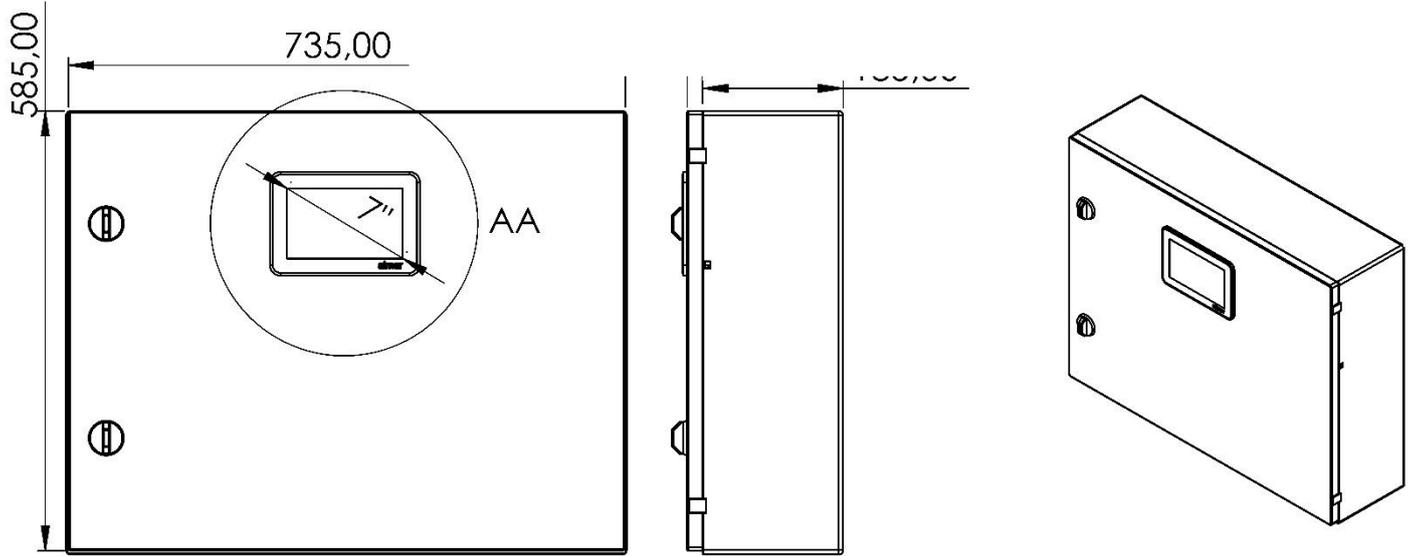
Be sure that all electrical connections tight and fixed.

Be sure that no scratch, damege, etc., on Panel.

## **4. TECHNICAL DETAILS&DIMENSIONS**

See following pages for dimensions,

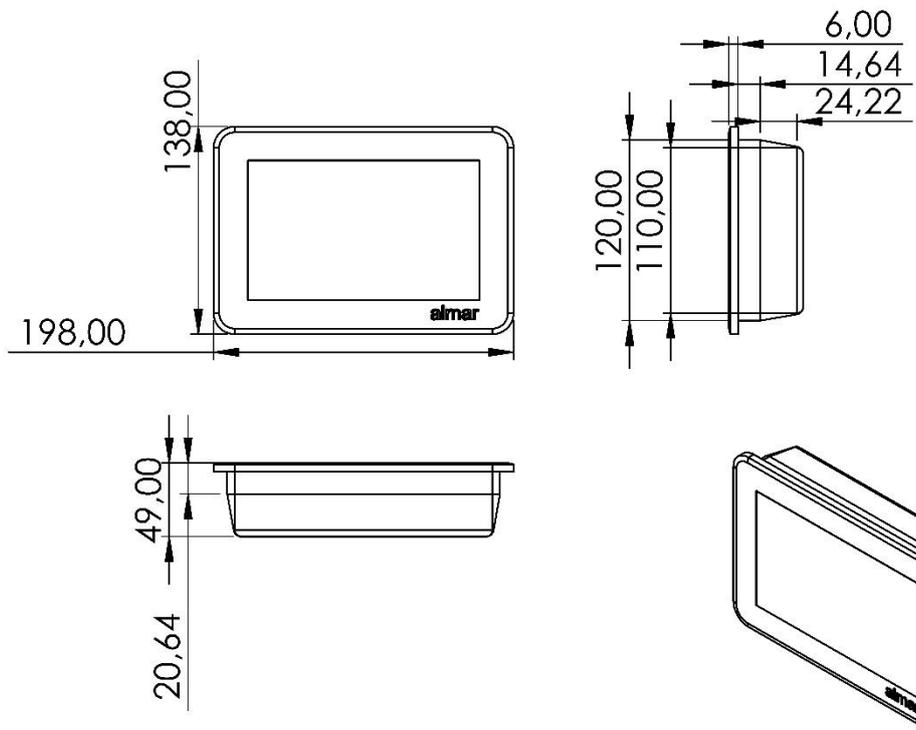
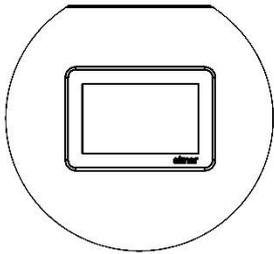
# L.A.S. MAIN PANEL



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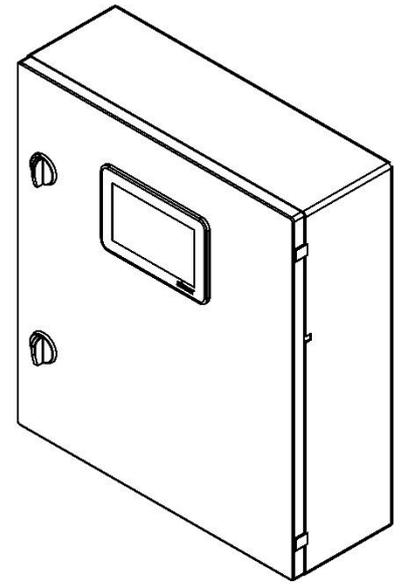
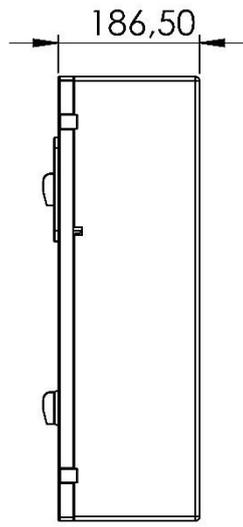
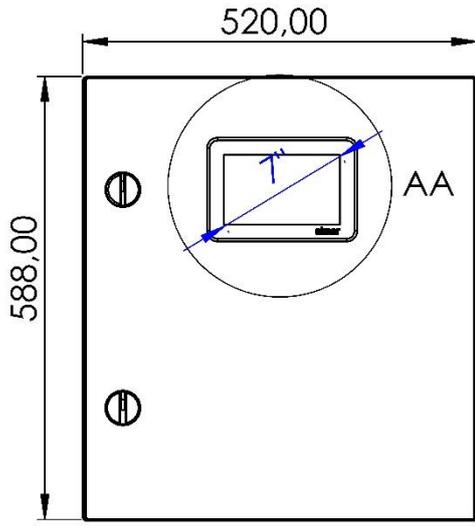
**Local application system main panel**, provides access to the local application system. If any detector is active, main panel control unit provides access to the whole system about sections or system, for any necessary intervention trained and authorized personnel must use the main panel.

## TOUCH SCREEN INTERFACE Control unit of the panel,



NOTE: ALL DIMENSIONS ARE GIVEN AS MILLIMETERS

|   |                                |  |                               |                       |
|---|--------------------------------|--|-------------------------------|-----------------------|
| DRAWING NO:   | POS. NO. -                     | PROUDUCT NO:<br>/ AL30-503A                                    | DATASHEET:<br>AL30-503A.REV00 | PAGE<br>A4            |
| DESIGNED BY:<br>ALİ ARMAĞAN   | CHEKED BY:<br>ÇAĞLAR LATİFOĞLU | APPROVED BY:<br>ERDİNÇ LATİFOĞLU                               | DATE:<br>23/10/2020           | SCALE:<br>1:2         |
|  |                                | PROJECT / PROUDUCT: LOCAL APPLICATION SYSTEM<br>LCD MAIN PANEL |                               |                       |
|   |                                | WEIGHT: -  | METARIAL: -                   | REVISION: DEC20-Rev00 |
|   |                                |  |                               | SHEET<br>1            |



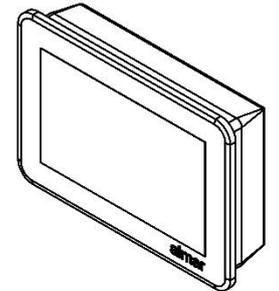
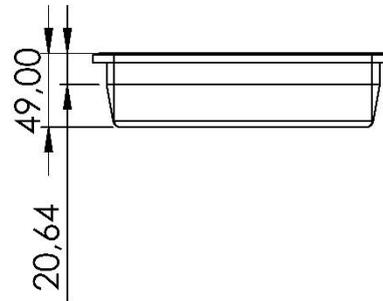
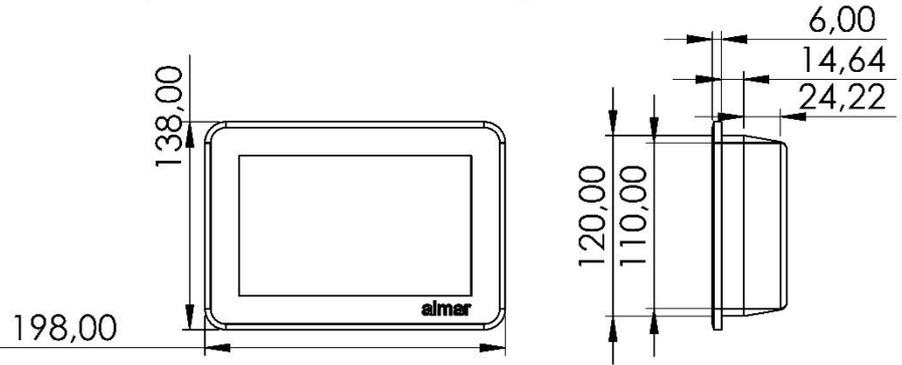
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**TOUCH SCREEN INTERFACE**  
Control unit of the panel,



DETAIL AA



NOTE: ALL DIMENSIONS ARE GIVEN AS MILLIMETERS

|   |                                |  |                              |                       |
|---|--------------------------------|--|------------------------------|-----------------------|
| DRAWING NO:   | POS. NO. -                     | PRODUCT NO:<br>AL30-503B                                       | DATASHEET:<br>AL30-503BRev00 | PAGE<br>A4            |
| DESIGNED BY:<br>ALİ ARMAĞAN   | CHEKED BY:<br>ÇAĞLAR LATİFOĞLU | APPROVED BY:<br>ERDİNÇ LATİFOĞLU                               | DATE:<br>23/10/2020          | SCALE:<br>1:2         |
|  |                                | PROJECT / PROUDUCT: LOCAL APPLICATION SYSTEM<br>LCD MAIN PANEL |                              |                       |
|   |                                | WEIGHT: -  | METARIAL: -                  | REVISION: DEC20-Rev00 |
|   |                                |  |                              | SHEET<br>1            |