



# Display unit

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## A platform for innovations

Ever since the initial introduction of the Display unit, it has been a clear strategy that more and more innovative applications will be added over time, and now that has been proved again. With the version 3.0 we introduce the General Control panel with three new and powerful functions that will simplify the usage of the system, as well as eliminate the need for expensive and complicated control cabinets.

- › 10.1" colour touch screen.
- › 4 selectable user applications.
- › Up to 30 units can be connected to each CIE and up to 1.200 meters to the farthest display unit.
- › Display function of drawings and IP cameras.
- › Redundant power supply and RS485.
- › Optional metal cabinet for mounting in public areas.



### Highest security

The connection between the control unit and the display unit is fully redundant, both the 24V DC power supply and the RS485 connection.



Up to 30 display units



# The versatile solution

- › Fire brigade panel.
- › External presentation unit.
- › Alert annunciation unit.
- › General control panel.
  - › Fan control.
  - › Evacuation control.
  - › Input control.





# Applications

## External presentation unit

This application is perfect when you want to distribute immediate and accurate information about the status of the building's fire alarm system. The system is extremely flexible and it is possible to tailor the information so each recipient only gets the information relevant to them.

### USER SCENARIO

Imagine a hospital where the control panel is installed in the basement and the display units are distributed to the nurse desks all over the building. Here you can make sure that perfectly distributed information supports calm, accurate and fast action from the staff to protect the patients in an emergency situation.



## Fire brigade panel

This panel application also allows authorized persons to silence the alarm devices and to reset the fire alarms in the system. These two buttons are pin code protected and if additional security is required, it is always possible to mount the display unit in the key protected metal cabinet 5055.

### USER SCENARIO

The fire brigade is arriving to large building and with a display unit in each entrance they immediately gets the full information of the status at the site. This is how to provide them with the best opportunities to make the correct priorities to efficiently save lives and property.







## Alert annunciation unit

**This function provides an opportunity to further reduce the risk for unwanted alarms transmitted to the fire brigade.**

Instead of automatically transmitting an alarm, you could investigate the situation and cancel any unnecessary fire brigade calls.

### USER SCENARIO

In an industrial facility with a challenging environment, high temperatures and occasional smoke generation can activate the fire alarm. Allowed a short moment to investigate the situation, trained building officers can quickly evaluate a potential emergency and make correct decisions if the fire brigade is needed or not.



## General control panel

**Fan control, evacuation control, input switches.** Up to eight of them in each display unit, configure and mix them as you wish. As always, it is possible to connect up to 30 display units to each control unit. For highest security we offer completely redundant connection of the display unit, both the RS485 connection and the 24 V supply.

### USER SCENARIO

During an emergency in a large building, it will now be possible to perfectly control the fan system, so the dangerous smoke gases are removed from the building at the same time as fresh air is let into the unaffected parts of the building, and during the whole situation a safe evacuation can be made. All simultaneously controlled from the same Display unit.



## Fan control

Each fan is connected to an I/O unit and is thereby both controlled and monitored for faults as well as phase faults. Automatic activation of the fans is done by any addressable smoke detector.

The fan control with its enhanced functionality fits all applications and includes customized settings for all types of fans.

- › Air supply fan.
- › Smoke exhaust fan.
- › Stair pressurization fan.

## Evacuation control

The evacuation function is manually handled by the fire brigade or a building officer, to make a controlled evacuation of a building or parts of it.

### USER SCENARIO

Imagine a hotel where a detector enters alarm stage at 03:30 in the night. The fire alarm is sent to the fire brigade and in parallel the night porter immediately starts to investigate the situation. If there is no emergency, the guests can stay asleep and the fire brigade return. If not, the night porter starts a controlled evacuation by activating the sirens in the optimal sequence for every situation.



## Input control

This is a switch function where it is possible to remotely change state of any connected unit. It may be a question of testing the emergency lights, or lock a door, or activate the light in the car park. Only the imagination sets the limit.



# Commissioning

## Fast and easy with EBLWin

All possible settings and options for the display unit are commissioned in the same intuitive EBLWin program, used for all other components in the fire alarm system. No additional tools, equipment or training needed. Just one simple and powerful tool used for commissioning and maintaining all parts and aspects of the system, regardless of the size and complexity of the object.

EBLWin



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