

Fire alarm systems

Fan control panel

4593



- A panel for control of eight fans
- Connected to an EBL fire alarm system via the normal COM loop

General

Fan control panel 4593 contains of a light grey Fan control mounting plate, two Fan control application boards 4594 and two fronts 4595 with LEDs and push buttons for the fan control functions.

The panel is intended to be mounted in the General control cabinet 4590, in which three Fan control panels 4593 can be mounted.

For connection to an EBL fire alarm system is one I/O Matrix board 4582 for each Fan control application board 4594 required.

Fan control application board 4594

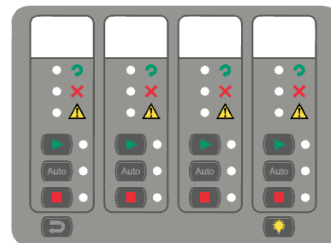
Two boards are mounted on the backside of the mounting plate. Each board has LEDs and push buttons for the front, one connector for the I/O Matrix board and one connector for the COM loop and power supply (24 V DC).

The fan control functions are described in the Fan control panel 4593, Technical Description MEW01245.

Front (user overlay) 4595

There are two fronts on each Fan control panel 4593, i.e. one front for each Fan control application board 4594. Each front is for a group of four fans.

The front has LEDs and push buttons for control of up to four fans. For each fan there is a white label/field for fan information to be written.



For each fan there are the following LEDs indicating the fan status:

- ▶ Running
- ✗ Stopped
- ▲ Fault

For each fan there are the following buttons for the fan operation mode:

- ▶ On (LED is indicating selected mode)
- Auto Auto (LED is indicating selected mode)
- Off (LED is indicating selected mode)

For the group of four fans there are the following buttons:

- ↶ Reset (of fan status after fire alarm reset)
- 💡 LED test

Product applications

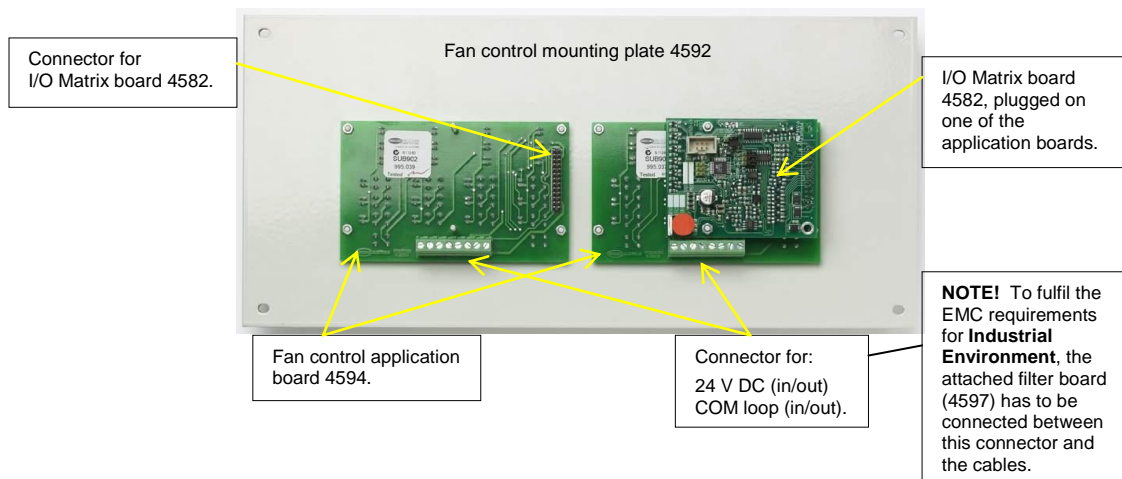
Used in the systems EBL128 (SW version \geq 1.1), EBL512 (SW version \geq 2.4) and EBL512 G3.

The number of Fan control panels possible to use in the EBL system, is according to the Planning Instruction for the system respectively.

The panel is intended for indoor use and in dry premises.

Type numbers	
4593	Fan control panel. (Mounting plate and two application boards.)
4582	I/O Matrix board. (One board is required for each application board.)
4592	Fan control mounting plate. (Spare part.)
4594	Fan control application board. (Spare part.)
4595	Fan control front / user overlay. (Spare part.)

Fan control panel 4593, backside view.



The technical data below is for one **Fan control application board 4594**.

Technical data	
Voltage on COM loop (V DC) allowed normal	12-30 24
Voltage ext. 24 V DC power supply (V DC) allowed normal	18-30 24
Current consumption at nom. volt. From COM loop (mA) From ext. 24 V DC power supply (mA)	NOTE! Application board 4594 and I/O Matrix board together. 4 - 6 10 – max. 100 (Depending on number of LEDs turned on.)
Ambient temperature (°C) operating storage	-10 to +55 -20 to +60
Ambient humidity (% RH)	Max. 95, non condensing
Size W x H x D (mm) Fan control panel Fan control application board	362 x 168 x 20 (Approx. 32 mm incl. the I/O Matrix board 4582) 122 x 75 x 20
Weight (g) Fan control panel Fan control application board	595 (Excl. I/O Matrix board 4582.) 46
Construction / Colour Fan control mounting plate	Light grey (NCS S 1500-N, PMS Cool grey 2)
Approvals	CE

See also Technical Description MEW01245.

All technical features and data are subject to changes without notice, resulting from continuous development and improvement.

Product Leaflet	Date of issue	Revision / Date of revision
MEW01241	2009-12-16	2 / 2011-03-11