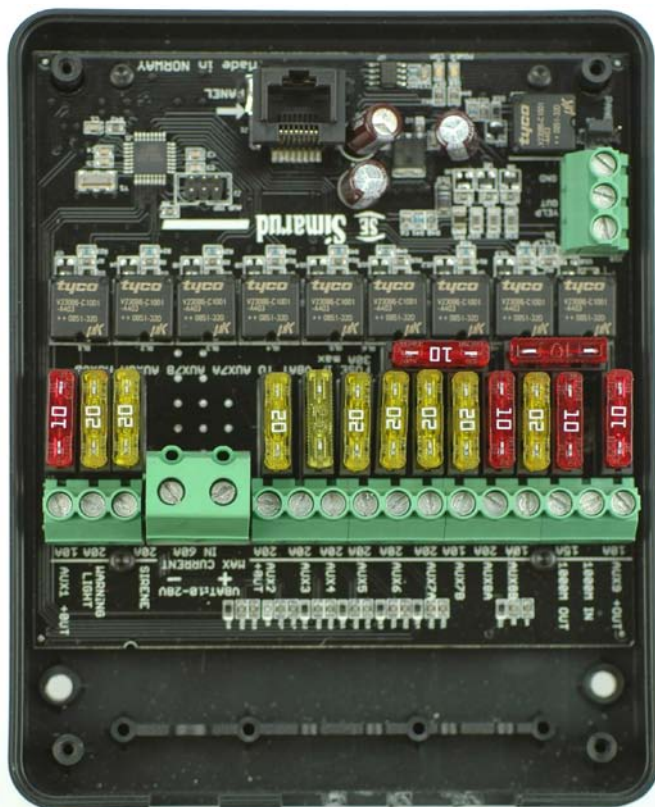


Product Description

Simarud Action Controller / SIMA-1-2



Control and power distribution system for warning lights and sirens on emergency vehicles.

System description

The system, Simarud Action Controller "Sima-1-2", consist of two main items. The microcontroller-based Relay/Switchbox, and the user interface (control panel).

The two items is connected with a 8-lead signal cable for communication and power to the control panel. The system is bi-volt (both 12 and 24 Volt supply). To be fused with a max 60Amp close to the supply. All in and outputs are of screw terminal type according to power requirement.

Relay/Switchbox

The switchbox consist of a single printed circuit board with all components and control functions integrated. Circuit board is contained and secured in a 2 part plastic cover.

- 2 Main input terminals for supply: 6mm² cable
- 13 separately fused outputs for 2,5mm² cable
- 1 unfused Output for 2,5mm² cable
- 1 sense input and 1 output for vehicle main headlights
- 1 gnd connection for Yelp-siren-function
- 10 relays secures the make/brake functions on power outputs.
- All fused outputs controlled by the panel has a "blown-fuse" warning.

Controllpanel

The control panel consists of a single printed circuit board with 8 buttons. Secured in an extruded aluminum profile with end covers. All buttons have red backlight. Light intensity increases when function is active. On/off button has a green backlight when active.



Warn.lights	Siren	AUX3	1000m
AUX4	AUX5	AUX6	on/off

Warning lights: Control of blue or amber flashing lights on vehicle.

Siren: Control of wail-tone on external siren system. Dependable on Warnlights funct.

AUX3, AUX4, AUX5, AUX6 Individually configurable outputs for user-needs.

1000M Control of vehicle extra headlights. Dependable on input signal from vehicle main lights.

On/off Main-switch-button for system. Low voltage indication by flashing green button. Communication error is indicated by orange flashing button.

Measurements:

- Panel: 137mm x 62mm x 30mm
- Relay/Switchbox: 129mm x 158mm x 50mm

