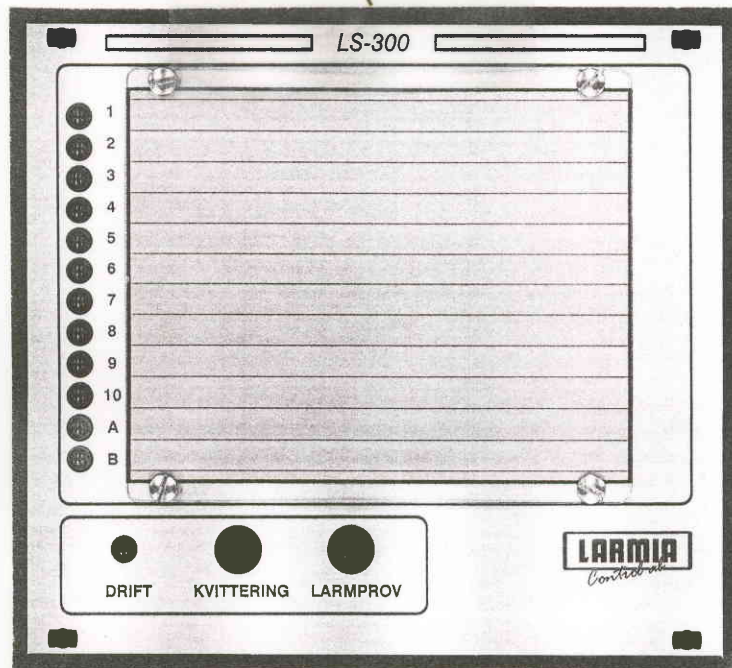


ALARM UNIT LS 300



Function

10 input signals each with memory, adjustable delay and selection for make (NO) or break (NC) contact.

Priority level A or B is selectable with jumpers for each input signal.

Alarm gives flashing light which goes to continuous light after reset.

Button for reset and alarmtest.

All selections and adjustments are made from the frontpanel.

Terminal blocks are of plug in type.

Plasticsign in the front is protected by plastic-cover.

Technical specification

Power requirement: Standard 24V AC/DC. Option 12V AC/DC.

Current consumption: max 300mA (in rest 60 mA) at 24V AC.

Priority level contact rating: max 1A, 50V at 24W or 120VA.

Adjustable delaytime: 0,1 - 30s.

Alarm contact current: 3mA

Dimension: W x H x D 142 (28TE) x 128 (3HE) x 45mm.

Extension card

32024 One individual outputrelay (NO/NC) for each alarmsignal
(inputcontrolled) and distance reset.

32124 One individual outputrelay (NO/NC) for each alarmsignal
(lightindicatorcontrolled) and distance reset.

LS 300 TERMINALBLOCK CONNECTION BLOCK A

<u>Terminal</u>	<u>Function</u>
1	Input signal 1
2	Input signal 2
/	/
/	/
/	/
10	Input signal 10
11	Input signal Common
12	Input voltage AC/DC
13	"
14	Priority level A * NO
15	" COM
16	" NC
17	Priority level B * NO
18	" COM
19	" NC
20	Option (LS 301)
21	"
22	"

* Function after reset at power on.

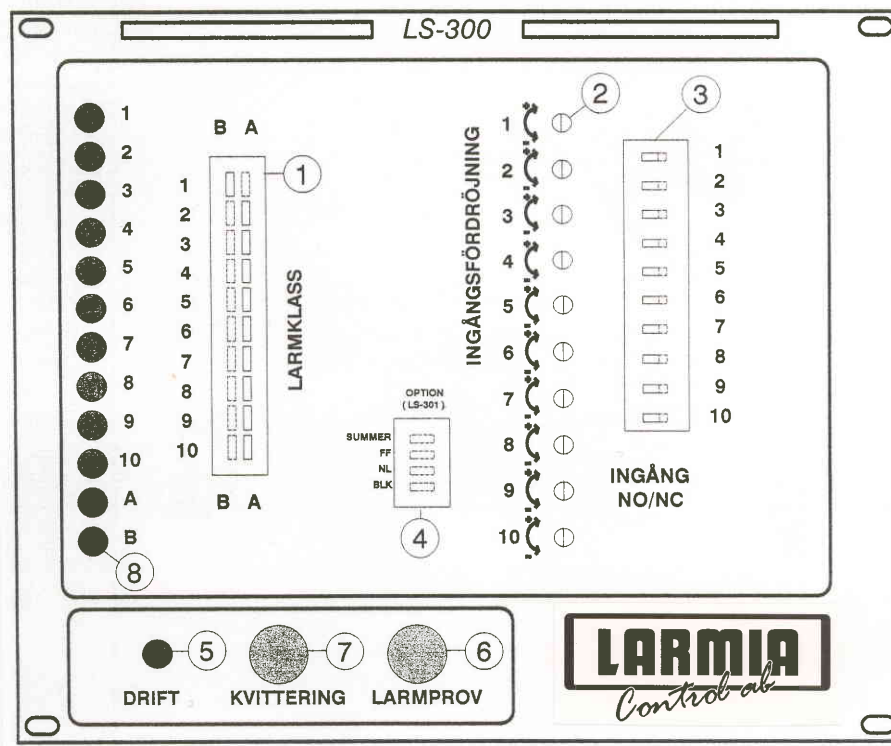
LS 300 TERMINALBLOCK CONNECTION BLOCK B EXTENSION CARD 32024 AND 32124

<u>Terminal</u>	<u>Function</u>
1	Output relay 1 NO
2	" NO
/	/
/	/
/	/
17	Output relay 9 NO
18	" NO
19	Output relay 10 NO
20	" NO
21	Input for distance reset
22	"

OPERATING AND MAINTENANCE INSTRUCTION LS 300, 301 AND 302

Operation instruction.

All adjustments is done in the front panel, on the Alarm unit, behind the plastic cover.
Loosen the four screws which keeps the papersign and plastic cover in place.
The plastic cover can be bent.



The functions according to the numbers are:

1. Selection of priority level: A priority level must be chosen. Priority level A or B.
Notice! If both priority level A or B is chosen for one input signal, the priority levels gets connected for all input signals.
2. Delay: Every new signal will be indicated with flashing light, and after set delayed time alarm is received.
Adjust the delay with a little screwdriver (0.1-30s).
The delay is increased clockwise.
3. Selection of "NO/NC": If make contacts are connected choose "NO"(Normal Open).
For break contacts choose "NC"(Normal Closed).

NOTICE!

Adjustments according to number 1-3 should be made when the power is OFF.

4. Multifunctionrelay Alarm unit LS-301.

With jumpers in the front panel the following functions can be chosen:

- | | |
|--------------|---|
| A - "BLK" | A switching relay output is received for the blocking function. The relay is activated as long as any alarm is lasting independent of the reset function. |
| B - "NL" | A switching relay output is activated for 1s when alarm is received and the Alarm unit don't have any lasting alarm. |
| C - "FF" | Firstfault indication can only be used together with make contacts. An extra relayoutput activates when a priority level activates. The relay contacts is externally connected so that the common reconductor doesn't connect after the first alarm. At reset the lasting alarm is presented with continuous light. |
| D - "Buzzer" | A pulsating relayoutput is received. At reset it goes to normal. Option; The relay is replaced with an built in buzzer. |
-
- | | |
|------------------------------|---|
| 5. Powerindication "ON": | Green light indicator indicates power on. |
| 6. Alarm Test: | The Alarmtest activates all outputs after set delayed time. Notice! Alarmtest without switching priority relays is received if the Reset button is held during the test. |
| 7. Reset: | Lightindicators goes to continuous light if alarm remains.
The priority level relays goes to normal. |
| 8. Activated Priority Level: | Indicated with yellow light indicator.
At remaining alarm the light indicator flashes with opposite phase off the red light indicator.
If the alarm no longer exists they flash in sync.
At reset the light indicators goes to normal. |

Maintenance instruction:

Under normal circumstances maintenance of the equipment is not needed. The equipment must be mounted so that it is well protected from dust, damp and corrosive atmosphere. It is recommended that the Alarm unit is tested by pushing the Alarm Test button with regular intervals.

If the Alarm unit needs to be replaced: Remove the terminal blocks of plug -in type. Bend carefully with a little screwdriver between the circuitboard and the terminal block. (Mounting the terminal block needs a lot of power). First contact LARMIA and then send it to:

Larmia Control AB
Box 450
S-191 04 Sollentuna
Sweden