



Lift and Escalator Industry Association

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5 October 2001

To: All Members
cc: Quality & Technical Committee (Code: 459)

Dear Member

BUCHER HYDRAULICS ELECTRONIC CARD ELEV-1 TO ELRV-1

I enclose a letter from Bucher Hydraulics dated 25 August 2001 concerning a potential safety hazard involving a product change of their electronic card.

I trust this is self-explanatory, please be guided accordingly.

Yours faithfully

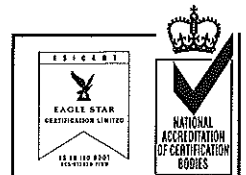
David M Fazakerley
Managing Director



A company limited by guarantee.
Registered in England N° 3851206. Registered office as above.



EMTA Awards Limited
Approved Assessment Centre



Certificate N° 42056109

30 JUL 2001

Bucher Hydraulics
Management
UK-Office
79, Station Road -Quinton
GB- Aylesbury, Bucks HP22 4BX

SERVICE BULLETIN :

≡ Neuheim, 25.7.2001

Product: Electronic card ELRV-1

Dear Sir or Madam

In reference to our product change of the **electronic card from ELRV-A to ELRV-1** and the corresponding wiring diagram, problems could occur through improper handling during installation or maintenance work. In a worst case scenario (improbably), this could result in a descent of the elevator cabin. Such an event would then trigger safety devices required by law, such as the safety gear or pipe rupture valve and stop the cabin. In the highly unlikely event of a failure of these mandatory safety devices, personal injury and/or property damage can not be entirely ruled out.

IMPORTANT:

This concerns all ELRV-1 electronic cards supplied since 1997, which were installed according to our wiring diagram 2.1.20E. Visually these are recognizable by a red, plastic front plate. Attached you will find instructions for the modification, with which corrections at the connectors of the power module can be undertaken.

Attention: The wiring diagram has been changed so that the above-mentioned scenario can no longer occur.

Deadline for the modification:

These corrections must be carried out by trained specialists at the time of the next servicing, but no later than 6 months from receipt of this letter. Also, could you please notify your control manufacturer of these changes.

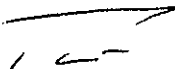
Your contact for this matter is:

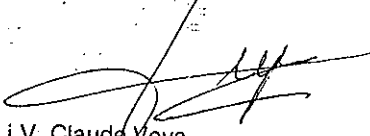
Roger Maucher
Chief After Sales Service Elevator
Phone: +41/41 757 02 33
Telefax: +41/41 757 05 50
E-mail: roger.maucher@beringer.ch

We sincerely regret the necessity for these measures. However, since this product is a safety-relevant element, it is our duty to implement appropriate measures in order to eliminate potential future problems. Due to our philosophy principle of meeting the highest possible safety standards, we consider these measures to be of the utmost importance. However, this occurs without prejudice as well as without acceptance of responsibility and is purely a result of safety-relevant considerations.

Please acknowledge receipt of this letter.

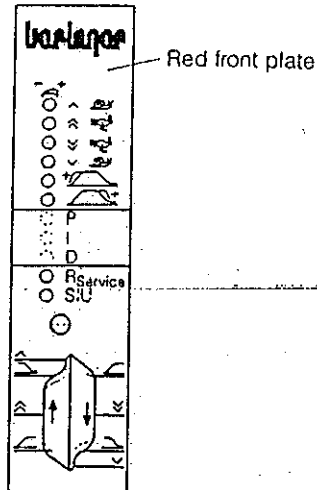
Yours sincerely
Bucher Hydraulics AG


i.V. Paul Müller
Project & Quality Management
Member of the Management

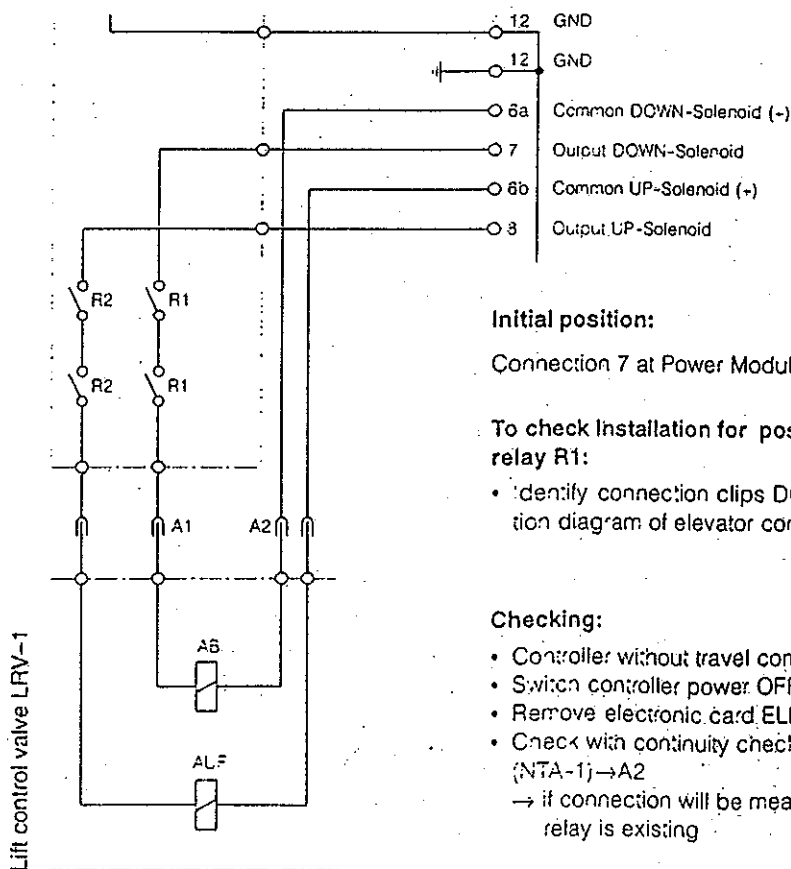

i.V. Claude Veya
Sales & Marketing Management
Member of the Management

Modification Instruction

1. Electronic Card ELRV-1 Identification



2. Inappropriate wiring of safety relay R1 at DOWN Solenoid



Initial position:

Connection 7 at Power Module NTA-1 leads to safety relay R1.

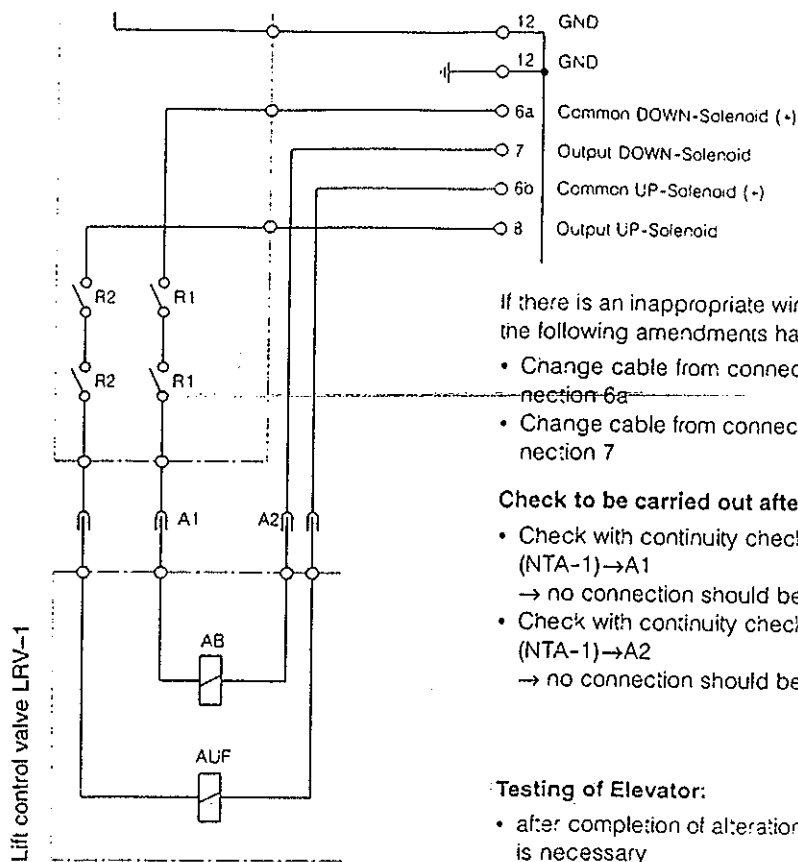
To check Installation for possible inappropriate wiring of safety relay R1:

- identify connection clips DOWN-Solenoid according to installation diagram of elevator controller (A1/A2 according to diagram)

Checking:

- Controller without travel command / car at floor level
- Switch controller power OFF
- Remove electronic card ELRV-1 from power module
- Check with continuity checker or ohmmeter the connection 6a (NTA-1j) → A2
→ if connection will be measured, inappropriate wiring of safety relay is existing

3. Modified safer wiring of safety relay R1 at DOWN-Solenoid



If there is an inappropriate wiring as described in point 2 (checking) the following amendments have to be done:

- Change cable from connection 7 at Power Module NTA-1 to connection 6a
- Change cable from connection 6a at Power Module NTA-1 to connection 7

Check to be carried out after alteration:

- Check with continuity checker or ohmmeter the connection 6a (NTA-1)→A1
→ no connection should be measured
- Check with continuity checker or ohmmeter the connection 6a (NTA-1)→A2
→ no connection should be measured

Testing of Elevator:

- after completion of alterations an operational test of the installation is necessary
- move lift up and down and check safe operation of the installation

4. Wiring of safety relay R2 at UP-Solenoid

Re-wiring of safety relay R2 for UP-Solenoid is not necessary. The Motor main safety relay is connected to the safety circuit in all cases.

5. Note to the register of elevator

After changing the wiring, a note in the elevator register must be done.

BUCHER HYDRAULICS

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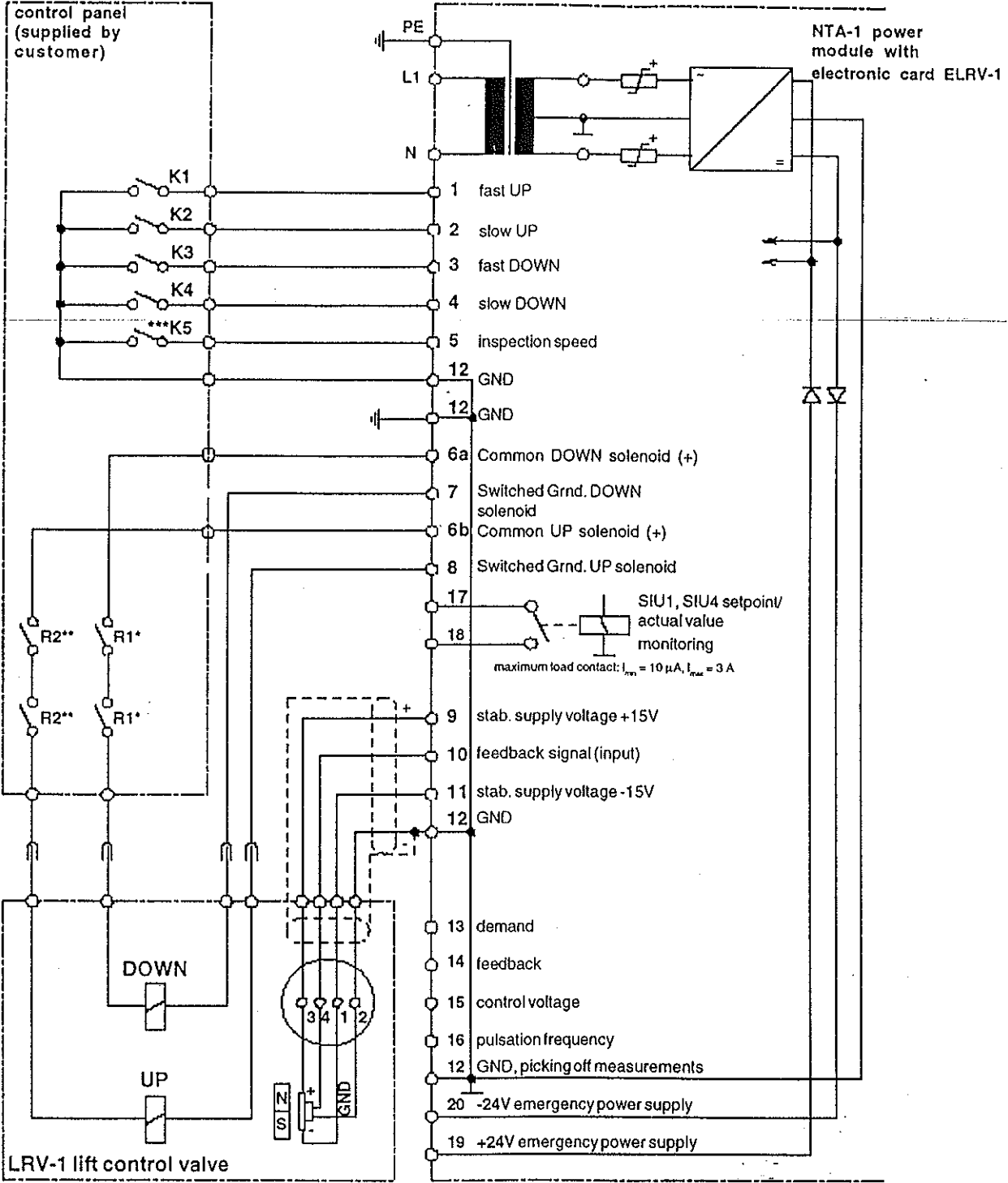
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Wir behalten uns das Recht auf technische Änderungen vor.

Correction

Power supply unit connection with electronic card ELRV-1 / wiring



K1 - K5, floating contacts or semiconductors
Rupturing capacity: 5 mA at 15 V DC

R1, R2 safety relays
Rupturing capacity: 1-1, 3 A at 12 V DC

- * R1 "Safety relay DOWN", required twice acc. to TRA 262.2 and EN 81.2
- ** R2 "Safety relay UP", required twice acc. to EN 81.2
- *** When contact K5 is closed, all 4 speeds are reduced on the ELRV-1 to 12 - 80 % of rated speed depending on the setting of RService