

**BATTERY LINE BROKEN AND DC LEAKAGE RELAY**

DCL-01 relay continuously controls DC supply line and when one of the predetermined five errors occurs, it gives a contact by pulling the relevant relay; the warning lamp is lit continuously as long as the error continues. By Pressing Alarm Delete Button, alarms which are not continuing can be deleted. The reasons of failure determined by the relay are as follows:

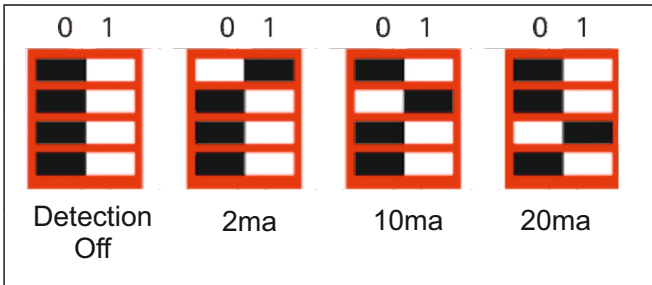
1. Battery Line Broken (It needs 2mh Inductor)
2. Low voltage (Threshold Adjustable)
3. Over-voltage (Threshold Adjustable)
4. (-)leakage (Threshold Adjustable)
5. (+)leakage (Threshold Adjustable)

The connection between the redressor output and the positive pole of the accumulator is made over the 2mH ferrite shock coil. The reason for using the accumulator line control feature is to ensure the control of continuity of DC energy due to the oxidation, bad contact and accumulator failures on the accumulator line. If it is not wanted, the positive pole can be directly connected to the positive pole redressor. The feeding ends can be connected to the bar line or can be fed from a separate line. DC – feeding devices can be separately produced for 24V, 48V and 110V. In case external feeding will not be used, products compliant with the output voltage of the redressor have to be used.

**SETTINGS:**

**DC LEAKAGE THRESHOLD SET:**

DCL-01A DC Leakage threshold can set by swithes which are positioned on front panel. Leakage threshold can be set as 2ma, 10ma, 20ma and Detection off. Leakage threshold changes with measured voltage. \*\*\*\*Measured voltage must be higher than minimum voltage threshold to leakage detection.



**DC HIGH-LOW THRESHOLD SET:**

DC High and Low thresholds can be set on relay. Threshold can be set by Buttons which are in front of panel DCL-01A.

**DC HIGH THRESHOLD SET:**

Screen shall be show output voltage.



Change screen to come DC High page by pressing the Button Down.



To activate the setting press Set Button. Change threshold level by UP or Down button.



To save the threshold press SET button.



**DC LOW THRESHOLD SET:**

Screen shall be show output voltage.



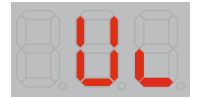
Change screen to come DC Low page by pressing the Button Down.



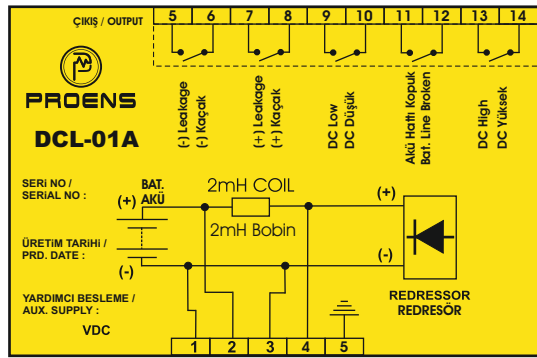
To activate the setting press Set Button. Change threshold level by UP or Down button.



To save the threshold press SET button.



**CONNECTION DIAGRAM**



**TECHNICAL SPECIFICATION**

Supply Voltage	: 24-48-110 VDC
	: 0.8Un-1.2Un
Contact Currents	: 5A-@230VAC
Leakage Detection	: 2-10-20 mA
Indication	: Led 100.000 Hour
Buttons	: 20.000 Press
Mounting	: from front to Panel
Cable Section	: 2.5mm
Temperature	: -20 °C / +55 °C
Protection Class	: IP20
Weight	: 0.2kg
Dimension	: 96x96x75 mm

**ORDERING TABLE**

Order Code	Description
<b>DCL-01-24VDC</b>	<b>24VDC Aux. Supply</b>
<b>DCL-01-48VDC</b>	<b>48VDC Aux. Supply</b>
<b>DCL-01-110VDC</b>	<b>10VDC Aux. Supply</b>

**BOX DIMENSIONS**

