

1- General Description:

Its produced to prevent for not get harmed for the device by controlling the current that device uses. Device can control the system according to its connection type or just warn the user by watching the current.

2- Operation:

Make the connections according to the connection diagram below and supply power to the device. Press the Menu button. Choose current transformer rate and high current set value according to the system. Device issues a warning when the current is too low or too high. Program code and set value is shown alternately in the second display to determine which error is occurred.

Example: If second display shows (Pr.2) and (4) in order, this means a high current error above 4 A.

Example: If second display shows (Pr.4) and (1) in order, this means a low current error below 1 A.

Device could reset the system automatically or manually in every error condition. To adjust automatic/ manual reset for high current error use (Pr.6) and for low current error use (Pr.7). Also you can choose the delay time for reset in these programs. If the current is not existed when the product is tuned on or the existing current rate normal as expeted it turns the relay on (contact out put turns NO). If the flowing current is abnormal relay does not get turned on(contact out put is on NC) and Error led turns on(ERR). When the device gets into failure it turns off the relay and turns the error led on. When the devices is reseted it turns the relay on and turns the error led off.

Hystereses : Value is to be entered if the device gets failure because of high current or low current. If the device is able to control the current this propertie ne need to be used.

High current reseting value : (High current set (pr.2) – (High current hystereses(p.11)

Low current reseting value : (Low current set(pr.4) + (Low current hystereses(p.12)

Example : When it gets over 100A relay turns off and when it reaches to 90A it resets itself.

Adjust the high current set value to 100 from the (pr.2) menu..Instead of adjusting Off value (pr.6), Adjust the value that after how many seconds you want the device to be reseted for the high current reseting. Please adjust the hystereses value (p.11) 10A for High current.(100A-90A =10A) and then please exit from the menu.

Example : Shutting down the relay under 10A and activating the relay after 15A.

Adjust your low voltage value to 10A from the (Pr.4)..Instead of OFF value (Pr.7) Adjust the value that after how many seconds you want the device to be reseted for the high current reseting. Please adjust the hystereses value(p.12) 5A for the low voltage current (15-A -10A = 5A) and then please exit from the menu.

Demand : Device records the current values in every 15 minutes by calculating the average of the highest period. You can see this value in the second display by pressing up or down buttons. When you press the button, you first see (dnd) in the display and then you see the recorded demand value. To start a new record, navigate to (P13) in the menu and select (YES).

Demurrage : When a load is first powered, it draws higher currents than its normal operation for a while. You can set demurrage factor from Program-8 (Pr.8). You can set demurrage time from Program-9(Pr.9). Device allows high demurrage currents until 'demurrage time' is completed.

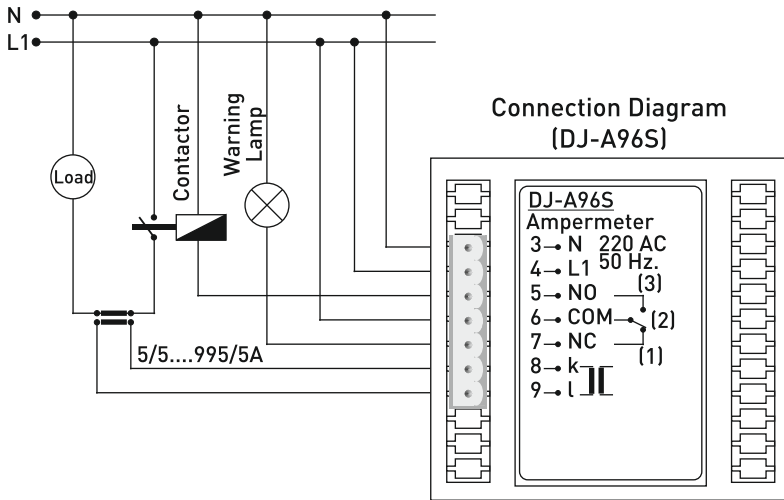
Example: Demurrage factor = 3, demurrage time = 5 sec. , high current set value = 4

Demurrage current = demurrage factor x high current set value

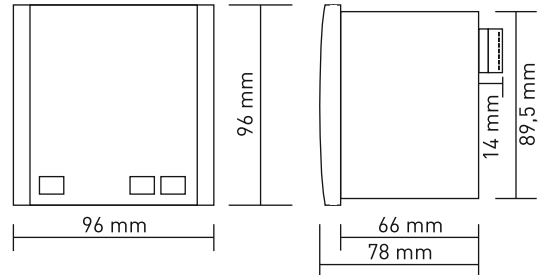
Demurrage current = 3 x 4 = 12 A

Demurrage time = 5 sec.

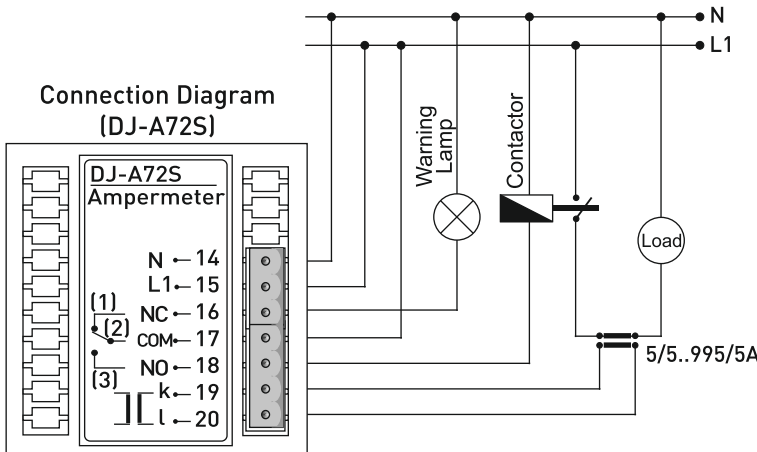
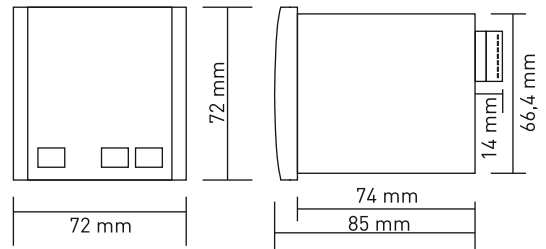
Device allows the load to draw 12 A for 5 sec. If current drawn is higher than demurrage current, turns off the relay and turns the error led.



Dimension for DJ-A96S



Dimension for DJ-A72S



Technical Features:

- Operating Range : 150V - 260V AC
- Operating Frequency : 50Hz
- Temperature : -20° C.....55° C
- Power Consumption. : <6VA
- Operating Current Range : 150mA - 5.5A
- Panel Dimensions : 91 x 91mm. (DJ-A96S), 67x67mm. (DJ-A72S)
- Weight : 0.280 Kg. (DJ-A96S) 0.230 Kg. (DJ-A72S)
- Connection Type : Terminal Connection
- Output Contact : 5A, 250V Resistive Load
- Display : 2 Display Groups
- Cable Diameter : 1.5 mm²
- Working Altitude : <2000m



