

Fig.1 View of URCA6I.

## DESCRIPTION

The URCA6I is functional equivalent of the MDAC60P module. It is designed for controllers with initial polarization of analog input (e.g. EXCEL series). Through optical isolated binary inputs, the module converts six digital signals to one analog signal 0 – 10V. Output signal is generated by applying voltage to XA and XB contacts, according to the formula:

$$U_0 = 0.15d_1 + 0.3d_2 + 0.6d_3 + 1.2d_4 + 2.4d_5 + 4.8d_6 \text{ [V]}$$

where:

$$\left. \begin{array}{l} \text{for } x = 1 \div 6 \\ |U_{X(A,B)}| > 6V \text{ DC} \\ U_{X(A,B)} > 15V \text{ AC} \end{array} \right\} \Rightarrow d_x = 1$$

$$\left. \begin{array}{l} |U_{X(A,B)}| < 3V \text{ DC} \\ U_{X(A,B)} < 3V \text{ AC} \end{array} \right\} \Rightarrow d_x = 0$$

LED diodes indicate states of digital inputs.

## TECHNICAL DATA

Power supply	24 V AC $\pm$ 10%
Current consumption for $R_L = 10k\Omega$	65mA
Max. input voltage $U_{X(A,B)}$	40V AC/DC
Max. output current	15mA
Protection class of the case	IP-40
Protection class of terminals	IP-20
Ambient temperature range	-10...+55° C
Diameter of terminals	2,5 mm <sup>2</sup>
Mounting	DIN-35 or DIN-32 rail
Dimensions (L x W x H)	96mm x 70,5mm x 42mm
Weight	130 g

# URCA6I

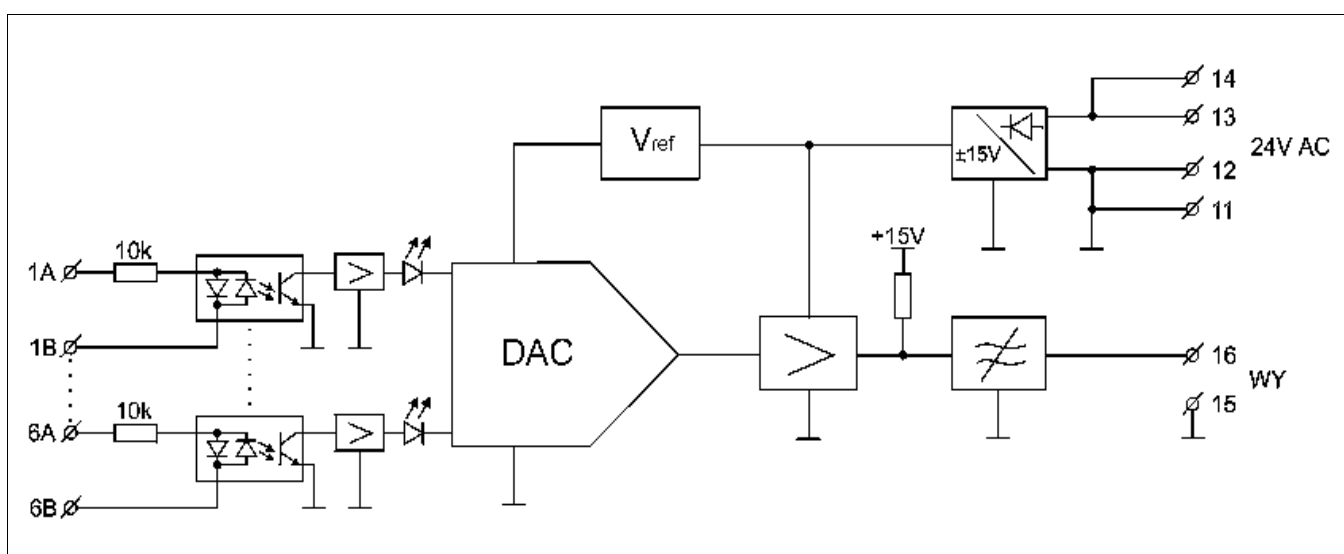


Fig.2 Connections of URCA6I.

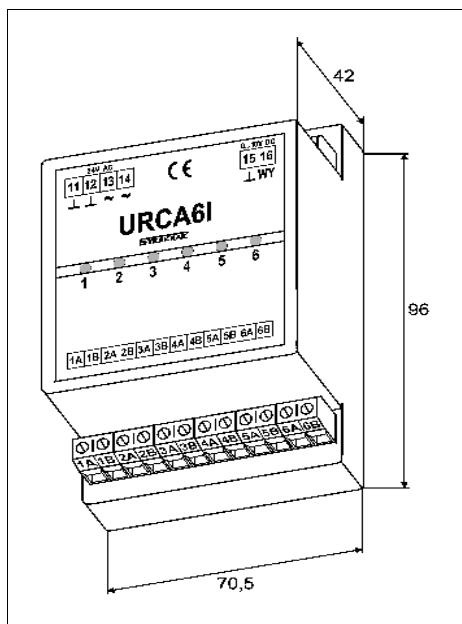


Fig.3 Dimensions of URCA6I.

## ATTENTION:

Output voltage range can be individually established according to the specification.

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