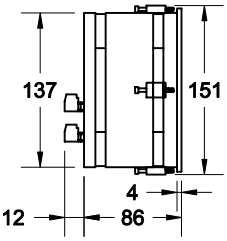
Type: DA100-NPxx/AxxE

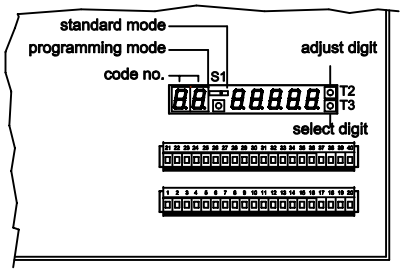
BCD/hex/24V active high

front view — DA100-NP40/AxRE

side view



rear view



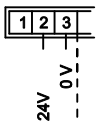
programming instructions

(select digit with key T3, adjust digit with key T2)

code no. 00	display 00000 parallel ___1x	multiplex ___0x	input code	data inputs A B C D															
				L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L	L L L L
				L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H	L L H H
				L L L L	H H H H	L L L L	H H H H	L L L L	H H H H	L L L L	H H H H	L L L L	H H H H	L L L L	H H H H	L L L L	H H H H	L L L L	H H H H
				L L L L	L L L L	H H H H	H H H H	L L L L	L L L L	H H H H	H H H H	L L L L	L L L L	H H H H	H H H H	L L L L	L L L L	H H H H	H H H H
BCD	___11	___01	display	0 1 2 3	4 5 6 7	8 9													
	___12	___02	display 1.digit	0 1 2 3	4 5 6 7	8 9													
				- 1 -															
Hex	___13	___03	display	0 1 2 3	4 5 6 7	8 9 A b	C d E F												
	___14	___04	display 1.digit	0 1 2 3	4 5 6 7	8 9 A b	C d E F												
				- 1 -															

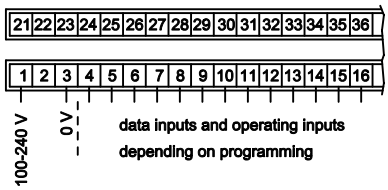
rear connector with screw-type terminals

DA100-NPxx/A1



DC
aux. supply
electr. isolated

DA100-NPxx/A2



AC/DC
aux. supply
electr. isolated

terminal inputs (KZ = code no.)

KZ	display	terminal																																				
00	___00	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40
BCD	multiplex 01 02	aux. supply			Gnd	ST	A	B	C	D	DT	LE	DP	DT	LE	DP	DT	LE	DP	DT	LE	DP	DT	LE	DP														
Hex	multiplex 03 04				BCD						10^0			10^1			10^2			10^3			10^4																
BCD	parallel 11 12	aux. supply			Gnd	A	B	C	D	DT	LE	DP	A	B	C	D	DT	LE	DP	A	B	C	D	DT	LE	DP	A	B	C	D	DT	LE	DP	A	B	C	D	DT	LE	DP
Hex	parallel 13 14				BCD 10^0								BCD 10^1							BCD 10^2							BCD 10^3							BCD 10^4					

operating inputs: active high (independent form BCD-inputs)

ST	lamp-test:	all segments and decimal points displayed
DT	blanking input:	display blank
DP	decimal point:	decimal point displayed
LE	Latch Enable:	latch enable
	after a change of the LE-signal from L to H the display stores	
	the information received before the LE-signal changed.	

operating inputs	(X = H or L)		
DT	H	L	X
LE	X	H	X
ST	L	L	H
data	X	X	X
display	blank	latch	test

technical data:

aux. supply:	DA100-NPxx/A1...	18 - 35 V DC
	DA100-NPxx/A2...	100 - 240 V AC/DC
power consumption:	max. 18VA	
temperature range:	-20 °C . . . +65 °C	
data / operating inputs:	24V active high	
	max. 35V L < 7V, H > 10V min. 2ms	
input resistance:	15 kOhm	
display height/colour:	LED 100 mm / red or green	

case dimensions

DA100	aluminium case powder coated black		front frame	panel cutout
	shell-depth (with terminal) 86 (98) mm			
DA100-NP __ /xxxE	DA100-NP __ /xxxE D	DA100-NP __ /xxxE D1	width [a]	b x h
30 888			336	330 x 138
40 8888	30 888 °C		432	426 x 138
50 88888	40 8888 °C	30 888 km/h	528	522 x 138
	50 88888 °C	40 8888 km/h	624	618 x 138
		50 88888 km/h	720	714 x 138

DA100 – NP__ / _ _ _ E __

dimension:	D = max. 2 signs	D1 = max. 4 signs
LED colour:	R = Red	G = Green
aux.supply:	1 = 24V DC	2 = 230V AC
BCD-input:	A = active high 24V	
digits:	30 = 3 digits	40 = 4 digits 50 = 5 digits