

9. TECHNICAL SPECIFICATIONS AND PRODUCT CODES

9.1 Technical specifications

	Model	Voltage		Power	
Power supply	IR33x(V,W,Z,D,A,B,E)7Hx(B,R)20 DN33x(V,W,Z,A,B,E)7Hx(B,R)20	115/230Vac(-15% to +10%)), 50/60Hz	6VA, 50mA~ max	
	IR33x(V,W,Z,D,A,B,E)7LR20,	12/24Vac(-10% to +10%), 5	0/60Hz	4VA, 300mA~ max	<
	DN33x(V,W,Z,A,B,E)7LR20	12/30Vdc		300 mA m ax	
		Only use SELV power supp	ly		
Insulation guaranteed by	IR33x(V,W,Z,D,A,B,E)7Hx(B,R)20	insulation from very low vo	oltage parts	reinforced	
the power supply	DN33x(V,W,Z,A,B,E)7Hx(B,R)20	I i saidtion nom very ion ve	orage parts	6 mm in air, 8 mm	on surface
ате ромет заррлу				3750V insulation	
		insulation from relay outputs insulation from very low voltage parts		basic	
				3 mm in air, 4 mm	on surface
	ID22 (VIAVZ D A D E)ZI D20			1250V insulation	
	IR33x(V,W,Z,D,A,B,E)7LR20	insulation from very low vo	ollage parts	to be guaranteed externally by safe transformer	
	DN33x(V,W,Z,A,B,E)7LR20	insulation from relay outpu	ıtç	reinforced	
		insulation normicial outpe	*65	6 mm in air, 8 mm on surface	
				3750V insulation	
Inputs	B1 (PROBE1)	NTC or NTC extended rang	a ar DTC ar DT1	000	
inputs	B2 (PROBE2)	INTO OF INTO exterioled raing	EOIFICOIFII	000	
	DI1	voltage-free contact, conta	act resistance <	100. closing current 6mA	
	DI2				
	Maximum distance of probes and digital inpu	ts less than 10m			
	Note: in the installation, keep the power and	l load connections separate	e from the prob	oe, digital inputs, r	epeater display an
	supervisor cables.				
Type of probe	Std. CAREL NTC	10kΩ at 25°C, range from -50T90°C			
		measurement error:		1°C in range from -50T50°C	
	LIC Is to see a NTC			3°C in range from +50T90°C	
	High temperature NTC	50kΩ at 25°C, range from – measurement error:	401150°C	1.5°C in range fror	m
		incasarement enor.		-20T115°C	11
					de of
			-20T115℃		
	PTC	985Ω at 25°C, range from	50T150℃		
		measurement error		2°C in range from	_50T50°C
Type of probe	PT1000	1097Ω at 25°C, range from	EOT1E0°C	4°C in range from	+501150°C
Type of probe	111000	measurement error:		3°C in range from	_50T0°C
		The day die the the circuit		5°C in range from	0T150°C
Dolov outputs	T	EN60730-1		UL 873	
Relay outputs	models		per. cycles	250V~	oper. cycles
	IR33x(V,W,Z,B,E)7LR20		00000	8A res 2FLA	30000
		0 (1)/(14.0.		12LRA C300	
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20	R3,R4 6 (4)A N.C.			
	DN33x(V,W,Z,B,E)7LR20				
SSR outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20				
SSR outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models	R3,R4 6 (4)A N.C.		12LRA C300	ae: 12 Vdc
SSR outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20	R3,R4 6 (4)A N.C. D = 1 SSR output		12LRA C300 Max. output volta Output resistance	: 600 Ω
SSR outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20	R3,R4 6 (4)A N.C.		12LRA C300 Max. output volta	: 600 Ω
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20	R3,R4 6 (4)A N.C. D = 1 SSR output		12LRA C300 Max. output volta Output resistance	: 600 Ω
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output		Max. output volta Output resistance Max. output curre	: 600 Ω nt: 20 mA
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20	R3,R4 6 (4)A N.C. D = 1 SSR output		Max. output volta Output resistance Max. output curre Typical ramp time	: 600 Ω :nt: 20 mA : (10%-90%): 1 s
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output		Max. output volta Output resistance Max. output curre	: 600 Ω Int: 20 mA : (10%-90%): 1 s :: 50 mV
	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc		Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple	: 600 Ω Int: 20 mA : (10%-90%): 1 s :: 50 mV
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta. Output resistance Max. output curre Typical ramp time Max output ripple Max output curre	: 600 Ω Int: 20 mA : (10%-90%): 1 s :: 50 mV
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33B7Hx(R,B)20 DN33E7Hx(R,B)20 IR31E7Hx(R,B)20 IR31E7Hx(R,B)20 DN31E7Hx(R,B)20	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta. Output resistance Max. output curre Typical ramp time Max output ripple Max output currer	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta. Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm	: 600 Ω :nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33B7Hx(R,B)20 DN33E7Hx(R,B)20 IR31E7Hx(R,B)20 IR31E7Hx(R,B)20 DN31E7Hx(R,B)20	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output curre reinforced 6 mm in air, 8 mm 3750V insulation basic	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 vinsulation from very low voltage parts/insulation to the process of t	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 vinsulation from very low voltage parts/insulation to the process of t	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output curre reinforced 6 mm in air, 8 mm 3750V insulation basic	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 vinsulation from very low voltage parts/insulation to the process of t	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc ation between relay output	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver Clock with backup	DN33x(V,W,Z,B,E)7LR20 R33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models R33x(D,A)7LR20 DN33x(D,A)7LR20 R33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models R33B7LR20 DN33B7LR20 R33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs On all models R33x(V,W,Z,D,A,B,E)7HB20, DN33x(V,W,Z,A,B,E)	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc ation between relay output	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver Clock with backup battery Buzzer	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs On all models IR33x(V,W,Z,D,A,B,E)7HB20, DN33x(V,W,Z,A,B,E) available on all models	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vdc ation between relay outputs	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver Clock with backup battery Buzzer	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs On all models IR33x(V,W,Z,D,A,B,E)7HB20, DN33x(V,W,Z,A,B,E) available on all models error at 25°C	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdd E = 2 relays + 2 x 0 to 10Vd ation between relay output: 7HB20 ± 10ppm (±5.3min/year)	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver Clock with backup battery Buzzer	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs On all models IR33x(V,W,Z,D,A,B,E)7HB20, DN33x(V,W,Z,A,B,E) available on all models error at 25°C Error in range -10T60°C	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdc E = 2 relays + 2 x 0 to 10Vd ation between relay output: 7HB20 ± 10ppm (±5.3min/year) -50ppm(±27 min/year)	C	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA
SSR outputs 0 to 10 Vdc outputs Insulation guaranteed by the outputs IR receiver Clock with backup battery Buzzer Clock	DN33x(V,W,Z,B,E)7LR20 IR33x(V,W,Z,B,E)7Hx(R,B)20 DN33x(V,W,Z,B,E)7Hx(R,B)20 models IR33x(D,A)7LR20 DN33x(D,A)7LR20 IR33x(D,A)7Hx(R,B)20 DN33x(D,A)7Hx(R,B)20 models IR33B7LR20 DN33B7LR20 IR33E7Hx(R,B)20 DN33E7Hx(R,B)20 DN33E7Hx(R,B)20 insulation from very low voltage parts/insulation between outputs On all models IR33x(V,W,Z,D,A,B,E)7HB20, DN33x(V,W,Z,A,B,E) available on all models error at 25°C	R3,R4 6 (4)A N.C. D = 1 SSR output A = 4 SSR output B = 1 relay + 1 x 0 to 10Vdd E = 2 relays + 2 x 0 to 10Vd ation between relay output: 7HB20 ± 10ppm (±5.3min/year)	c s & 0 to 10Vdc	Max. output volta Output resistance Max. output curre Typical ramp time Max output ripple Max output currer reinforced 6 mm in air, 8 mm 3750V insulation basic 3 mm in air, 4 mm	: 600 Ω nt: 20 mA : (10%-90%): 1 s :: 50 mV nt: 5 mA





Operating temperature		IR33xxxxxx:-10T60 °C					
			DN33x(V,W,Z,D,A,E	3,E)7LR20: -10T55	°C		
			DN33x(V,W,Z,D,A,E				
Operating humidity			<90% rH non-cond				
Storage temperature			-20T70 °C				
Storage humidity			<90% rH non-cond	densing			
			IR33: assembly on smooth and indeformable panel with IP65 gasket				
			DN33: front panel	IP40, complete c	ontroller IP20		
			Integrated electronic control device				
			2 normal				
PTI of the insulating r			Printed circuits 250	0, plastic and ins	ulating materials 17	75	
Period of stress across	s the insulating parts		Long	•	-		
Class of protection ac	gainst voltage surges		Category 2				
Type of action and di			1B relay contacts (
	ng to protection against electric sh	ock	Class 2 when appr	opriately integra	ted		
		No					
Software class and sti	ructure		Class A				
Front panel cleaning			Only use neutral d		ater		
Carel serial network in	nterface		External, available				
Programming key			Available on all models				
	Type of connection				Size	Max current	
Connections	model	relays/ SSR	power supply	probes			
	IR33x(V,W,Z,D,A,B,E)7x(H,L)x(R,B)20) plug-in	plug-in	plug-in	for cables from	12A	
	DN33x(V,W,Z,A,B,E)7x(H,L)x(R,B)20				0.5 to 2.5 mm ²		
				es between the controller and the loads is the responsibility of the installer.			
	In the max load and max operating temp, conditions, the cables used must be suitable for operation up to 105°C.						
Case	plastic		A,B,E)7x(H,L)x(R,B)20 ,B,E)7x(H,L)x(R,B)20		dimensions	IR33:34.4x76.2x79mm DN33:111x70x60	
					mounting	IR33: 70.5mm	
					depth	DN33: 60mm	
				T			
Assembly	IR33: on smooth and indeformal	DIN rail IR33 :side fastening brackets, to be pressed in fully			pressed in fully		
	drilling template			IR33:dimensions 28.8±0.2 x 70.8±0.2mm			
				DN33(display):dimensions 28.8±0.2 x 70.8±0.2mm			
Display	digits			3 digit LED			
Display	3			from –99 to 999			
	display						
	operating status		Indicated with	graphic icons on th	e display		
Keypad	4 silicone rubber buttons						

9.2 Cleaning the controllerWhen cleaning the controller do not use ethanol, hydrocarbons (petrol), ammonia and by-products. Use neutral detergents and water.

9.3 Product codes

CODE		Description		
Flush mount	DIN rail mounting			
R33V7HR20	DN33V7HR20	2 NTC/PTC,PT1000 input, 1 relay, buzzer, IR receiver, 115/230V		
R33V7HB20	DN33V7HB20	2 NTC/PTC,PT1000 input, 1 relay , buzzer, IR receiver, RTC, 115/230V		
R33V7LR20	DN33V7LR20	2 NTC/PTC,PT1000 input, 1 relay , buzzer, IR receiver, 12/24V		
R33W7HR20	DN33W7HR20	2 NTC/PTC,PT1000 input, 2 relays, buzzer, IR receiver, 115/230V		
R33W7HB20	DN33W7HB20	2 NTC/PTC,PT1000 input, 2 relays, buzzer, IR receiver, RTC, 115/230V		
R33W7LR20	DN33W7LR20	2 NTC/PTC,PT1000 input, 2 relays, buzzer, IR receiver, 12/24V		
R33Z7HR20	DN33Z7HR20	2 NTC/PTC,PT1000 input, 4 relays, buzzer, IR receiver, 115/230V		
R33Z7HB20	DN33Z7HB20	2 NTC/PTC,PT1000 input, 4 relays , buzzer, IR receiver, RTC, 115/230V		
R33Z7LR20	DN33Z7LR20	2 NTC/PTC,PT1000 input, 4 relays , buzzer, IR receiver, 12/24V		
R33A7HR20	DN33A7HR20	2 NTC/PTC,PT1000, 4 SSR, buzzer, IR receiver, 115/230V		
R33A7HB20	DN33A7HB20	2 NTC/PTC,PT1000 input, 4 SSR, BUZZER, IR receiver, RTC, 115/230V		
R33A7LR20	DN33A7LR20	2 NTC/PTC,PT1000 input, 4 SSR, buzzer, IR receiver, 12/24V		
R33D7HR20	-	2 NTC/PTC,PT1000 input, 1 SSR, buzzer, IR receiver, 115/230V		
R33D7HB20	-	2 NTC/PTC,PT1000 input, 1 SSR, buzzer, IR receiver, RTC, 115/230V		
R33D7LR20	-	2 NTC/PTC,PT1000 input, 1 SSR, buzzer, IR receiver, 12/24V		
R33B7HR20	DN33B7HR20	2 NTC/PTC,PT1000 input, 1 relay + 1 AO, buzzer, IR receiver, 115/230V		
R33B7HB20	DN33B7HB20	2 NTC/PTC,PT1000 input, 1 relay + 1 AO, buzzer, IR receiver, RTC, 115/230V		
R33B7LR20	DN33B7LR20	2 NTC/PTC,PT1000 input, 1 relay + 1 AO, buzzer, IR receiver, 12/24V		
R33E7HR20	DN33E7HR20	2 NTC/PTC,PT1000 input, 2 relays + 2 AO, buzzer, IR receiver, 115/230V		
R33E7HB20	DN33E7HB20	2 NTC/PTC,PT1000 input, 2 relays + 2 AO, buzzer, IR receiver, RTC, 115/230V		
R33E7LR20	DN33E7LR20	2 NTC/PTC,PT1000 input, 2 relays + 2 AO, buzzer, IR receiver, 12/24V		
	IROPZKEY00	Programming key		
	IROPZKEYA0	Programming key with power supply		
IROPZ48500		RS485 serial interface		
IROPZ485S0		RS485 serial interface with automatic recognition of TxRx+ & TxRx-		
	IROPZSER30	RS485 serial card for DN33		
CONV0/10A0		Analogue output module		
CONV0NOFF0		ON/OFF output module		
IRTRUES000		Remote control		



9.4 Software revisions

REVISION	Description		
1.0	Functions active starting from software version higher than		
	1.0		
	FUNCTION	Parameter	
	Soft start	c57	
	0 to 10 V outputs	c19=5,6 / c66, c67	
	·	d36, d40, d44, d48	
		d37, d41, d45, d49	