

RWF55 Menu Options

Parameters		Parameter Name	Value Range	Factory Setting	Your Setting	Notes	Page Number
Opr	SP1	Setpoint 1	SPL...SPH	60			41
	SP2	Setpoint 2	SPL...SPH	0		Only if bin1 = 1	
	dSP	Setpoint	SPL...SPH	0		Only if bin1 = 2	
	InP1	Analog Input 1	N/A	-		Cannot be edited here (just a display)	
	InP2	Analog input 2	N/A	-		Cannot be edited here (just a display)	
	InP3	Analog input 3	N/A	-		Cannot be edited here (just a display)	
	SPE	External setpoint	N/A	-		Cannot be edited here (just a display)	
PARA	Y	Angular positioning	N/A	-		Cannot be edited here (just a display)	47
	Pb1	Proportional band	1...9999	10			
	dt	Derivative time	0...9999 sec	80			
	rt	Integral time	0...9999 sec	350			
	db	Dead band	0.0...999.9	1		Only if CtYP = 1	
	tt	Controlling element running time	10...3000 sec	15		Only if CtYP = 1	
	HYS1	Switch-on threshold	-1999...0.0	-5		Only if CACt = 1	
	HYS2	Switch-off threshold (stage II)	0.0...HYS3	3		Only if CACt = 1	
	HYS3	Switch-off threshold	0.0...9999	5		Only if CACt = 1	
	HYS4	Switch-on threshold	0.0...9999	5		Only if CACt = 0	
	HYS5	Switch-off threshold (stage II)	HYS6...0.0	-3		Only if CACt = 0	
	HYS6	Switch-off threshold	-1999...0.0	-5		Only if CACt = 0	
	q	Response threshold	0.0...999.9	0			
	At1	Outside temp. curve point 1	-40...120	-10		Only if FnC3 = 1	
Ht1	Boiler temp. curve point 1	SPL...SPH	60		Only if FnC3 = 1	48	
At2	Outside temp. curve point 2	-40...120	20		Only if FnC3 = 1		
Ht2	Boiler temp. curve point 2	SPL...SPH	50		Only if FnC3 = 1		
Inp	Inp1	SEn1	Analog input 1 sensor type	1...19 →	1	1 = Pt-100 3-wire, 2 = Pt100 2-wire, 3 = Pt1000 3-wire, 4 = Pt1000 2-wire, 5 = Ni1000 3-wire, 6 = Ni1000 2-wire, 7 = 0-135 Ohm, 8 = T, 9 = J, 10 = K, 11 = N, 12 = S, 13 = R, 14 = B, 15 = 0-20 mA, 16 = 4-20 mA, 17 = DC 0-10 V, 18 = DC 0-5 V, 19 = DC 1-5 V	50
		OFF1	Analog input 1 correction (offset)	-1999...9999	0		
		SCL1	Analog input 1 scale low level	-1999...9999	0		
		SCH1	Analog input 1 scale high level	-1999...9999	100		
		dF1	Analog input 1 filter time constant	0.0...100.0 sec	0.6		
	Unit	Temperature unit	1, 2	1	1 = Celsius, 2 = Fahrenheit	51	
	Inp2	FnC2	Analog input 2 function	0, 1, 2, 3	0	0 = no function, 1 = external setpoint, 2 = setpoint shifting, 3 = angular position feedback	52
		SEn2	Analog input 2 sensor type	1, 2, 3, 4, 5, 6	1	1 = 0-20 mA, 2 = 4-20 mA, 3 = DC 0-10 V, 4 = DC 0-5 V, 5 = DC 0-1 V, 6 = resistance potentiometer (only if FnC2 ≠ 0)	
		OFF2	Analog input 2 correction (offset)	-1999...9999	0	Only if FnC2 ≠ 0	
		SCL2	Analog input 2 scale low level	-1999...9999	0	Only if FnC2 ≠ 0	
		SCH2	Analog input 2 scale high level	-1999...9999	100	Only if FnC2 ≠ 0	
	dF2	Analog input 2 filter time constant	0.0...100.0 sec	2	Only if FnC2 ≠ 0		
	Inp3	SEn3	Analog input 3 sensor type	0, 1, 2	0	0 = switched-off, 1 = Pt1000 2-wire, 2 = LG-Ni1000 2-wire	53
		FnC3	Analog input 3 function	0, 1	0	0 = no function, 1 = weather-compensated setpoint (only if SEn3 ≠ 0)	
		OFF3	Analog input 3 correction (offset)	-1999...1999	0	Only if SEn3 ≠ 0	
dF3		Analog input 3 filter time constant	0.0...1500 sec	1278	Only if SEn3 ≠ 0		
Cntr	CtYP	Controller type	1, 2	1	1 = 3-position, 2 = modulating	54	
	CACt	Operating action	0, 1	1	0 = cooling, 1 = heating		
	SPL	Setpoint low limit	-1999...9999	0			
	SPH	Setpoint high limit	-1999...9999	100			
	oLlO	Lower working range limit	-1999...9999	-1999			
	oLHi	Upper working range limit	-1999...9999	9999			
rAFC	FnCt	Thermal shock function	0, 1, 2	0	0 = switched off, 1 = Kelvin/min, 2 = Kelvin/hour	37, 55	
	rASL	Ramp slope	0.0...999.9	0	Only if FnCt ≠ 0		
	toLP	Tolerance band ramp	2* HYS1 ...9999	0	Only if FnCt ≠ 0		
	rAL	Ramp limit value	0...250	0	Only if FnCt ≠ 0		
AF	FnCt	Alarm limit function	0...12	0	0 = no function, 1 = Ik1 input 1, 2 = Ik2 input 1, 3 = Ik3 input 1, 4 = Ik4 input 1, 5 = Ik5 input 1, 6 = Ik6 input 1, 7 = Ik7 input 1, 8 = Ik8 input 1, 9 = Ik7 input 2, 10 = Ik8 input 2, 11 = Ik7 input 3, 12 = Ik8 input 3	56-57	
	AL	Alarm limit value	-1999...9999	0	Only if FnCt ≠ 0		
	HYS1	Switching difference (hysteresis)	0...9999	1	Only if FnCt ≠ 0		
	ACrA	Out of range response	0, 1	0	0 = switched off, 1 = on (only if Fnct ≠ 0)		
OutP	FnCt	Analog output function	0, 1, 2, 3, 4	4	0 = no function, 1 = analog input 1, 2 = analog input 2, 3 = analog input 3, 4 = controller angular position	58	
	SiGn	Analog output signal type	0, 1, 2	0	0 = 0-20 mA, 1 = 4-20 mA, 2 = DC 0-10 V		
	rOut	Value when out of range	0...101	0			
	OPnt	Re-transmit scale low	-1999...9999	0			
	End	Re-transmit scale high	-1999...9999	100			
binF	bin1	Binary input 1 function	0, 1, 2, 3	0	0 = no function, 1 = setpoint changeover, 2 = setpoint shift, 3 = alarm input	59	
	bin2	Binary input 2	4	4	4 = operating mode changeover		
diSP	diSU	Upper display	0, 1, 2, 3, 4, 6, 7	1	0 = disconnected, 1 = analog input 1, 2 = analog input 2, 3 = analog input 3, 4 = controller angular position, 6 = setpoint, 7 = thermal shock end value	60	
	diSL	Lower display	0, 1, 2, 3, 4, 6, 7	6	0 = disconnected, 1 = analog input 1, 2 = analog input 2, 3 = analog input 3, 4 = controller angular position, 6 = setpoint, 7 = thermal shock end value		
	tout	Timeout	0...255 sec	180			
	dECP	Decimal places	0, 1, 2	0	0 = no decimal place, 1 = one decimal, 2 = two decimals		
	CodE	Locking of levels	0, 1, 2, 3	0	0 = no lockout, 1 = config level, 2 = parameter and config level, 3 = keyboard lockout		
IntF	bdrt	Baud rate	0, 1, 2, 3	1	0 = 4800 Baud, 1 = 9600 Baud, 2 = 19200 Baud, 3 = 38400 Baud	61	
	Adr	Modbus address	0...254	1			
	dP	Profibus address	0...125	125	Only RWF55.6		
	dtT	Remote detection timer	0...7200 sec	30			