

# **Resistance Grounded Power Systems: NGRM Factory Settings**

**Application Note**

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# Factory Settings

Menu	Factory Settings	Application Settings	Verified
<b>Menu 6.1: HRG/LRG system</b>			
1. $U_{\text{sys (L-L)}}$	400 V		
2. CD-NGRM	CD1000		
3. Frequency	50 Hz		
4. $I_{\text{NGR nom}}$	5 A		
5. $R_{\text{NGR nom}}$	150 $\Omega$		
<b>Menu 6.2: CT</b>			
1. CT primary	600		
2. CT secondary	1		
3. CT connection	50 mA		
<b>Menu 6.3: NGR</b>			
1. Method	auto		
	off		
<b>Menu 6.4: Phase monitor</b>			
1. Phase monitor	on		
2. PT primary	1		
3. PT secondary	1		
<b>Menu 6.5: Response Values</b>			
	HRG	LRG	
1. $U_{\text{NGR trip}}$	60%		
2. $I_{\text{NGR trip}}$	60%		
3. $> R_{\text{NGR}}$	150% (HRG) 250 $\Omega$ (LRG)		

Menu		Factory Settings	Application Setting	Verified
4. $< R_{NGR}$ (HRG only)	—	50 % (HRG)		
5. $t_{NGR}$ trip	4. $t_{NGR}$ trip	0 s		
6. Ground-fault trip	5. Ground-fault trip	on		
7. $t_{GF}$ trip	6. $t_{GF}$ trip	5 s		
8. Alarm stored	7. Alarm stored	on		
9. $t_{restart}$	$t_{restart}$	5 s		
10. Restart count	9. Restart count	2		
11. Trip Signal	10. Trip Signal	RMS		
12. Upper limit harmonic	11. Upper limit harmonic	32		
13. Lower limit harmonic	12. Lower limit harmonic	0		
<b>Menu 6.6: System settings</b>				
1. Ground-fault relay	Mode Rel. test	fail-safe on		
2. NGR relay	Mode Rel. test	fail-safe on		
3. Trip relay	Mode Rel. test	fail-safe on		
4. Analogue	Mode Function	4-20 mA R NGR (HRG) I NGR (LRG)		
5. Dig. In/Out	Device OUT Pulser OUT Digital 1 RESET IN TEST IN	fail-safe non-fail-safe pulser, active high active high active high		
6. Buzzer	Buzzer alarm Buzzer test	off on		