

This document is intended to provide the menu structure of the RCM420 ground fault monitor, along with a checklist of entered settings for the device. For instructions on installation and use of the RCM420, refer to the user manual and installation bulletin. This document is intended as a supplement and not a replacement to the complete user manual.

Only qualified maintenance personnel shall operate or service this equipment. These instructions should not be viewed as sufficient for those who are not otherwise qualified to operate or service this equipment. This document is intended to provide accurate information only. No responsibility is assumed by BENDER for any consequences arising from use of this document.



	Description	Range	Factory Default	Your Settings / Notes
AL	Main alarm trip level	10 mA - 10 A	30 mA	<input type="text"/>
> I 2				
> I 1	Prealarm trip level	50 - 100% (based on main alarm)	50%	<input type="text"/>
Hys	Hysteresis	10 - 25%	15%	<input type="text"/>
OUT	Latching behavior (Fault memory)	ON (latching) / OFF (non-latching) / CON (remains latched on power restore)	ON (latching)	<input type="text"/>
M				
K1 OP	Relay K1 operation (failsafe / non-failsafe)	N/O (normally de-energized) / N/C (normally energized)	N/C (normally energized)	<input type="text"/>
K2 OP	Relay K2 operation (failsafe / non-failsafe)	N/O (normally de-energized) / N/C (normally energized)	N/C (normally energized)	<input type="text"/>
RL	Reload Cycles	0 - 100	0	<input type="text"/>
R1	Relay K1 trips on device error	ON / OFF	ON	<input type="text"/>
ERR				
> I 2	Relay K1 trips on main alarm	ON / OFF	ON	<input type="text"/>
> I 1	Relay K1 trips on prealarm	ON / OFF	OFF	<input type="text"/>
Tes	Relay K1 trips on device self-test	ON / OFF	ON	<input type="text"/>
R2	Relay K2 trips on device error	ON / OFF	ON	<input type="text"/>
ERR				
> I 2	Relay K2 trips on main alarm	ON / OFF	OFF	<input type="text"/>
> I 1	Relay K2 trips on prealarm	ON / OFF	ON	<input type="text"/>
Tes	Relay K2 trips on device self-test	ON / OFF	ON	<input type="text"/>
t	Response delay for prealarm	0 - 10 s	1 s	<input type="text"/>
ton1				
ton2	Response delay main alarm	0 - 10 s	0 s	<input type="text"/>
t	Startup delay (applies only on device startup)	0 - 10 s	0.5 s	<input type="text"/>
toff	Delay on release (to return to normal state)	0 - 99 s	1 s	<input type="text"/>
SET	Change between overcurrent / undercurrent / window	Hi (overcurrent) / Lo (undercurrent) / In (window)	Hi	<input type="text"/>
HI I 1/2				
n	Add transformer ratio when looping additional CT through BENDER CT	1 - 100 (assuming 1 A secondary) (ex. 100 = 500:5)	1	<input type="text"/>
ESC				