RAINIER REMOTE HARNESS

The RAINIER Remote Harness (**210010**) is a 10M cable with bare leads enabling remote power and monitoring from the Rainier control panel.

Designed for OEMs looking to get the most out of their RAINIER system or integrate with existing infrastructure. As every install varies, LUMINOR does not provide integration, installation, or engineering support on this product. Please consult your system integrator or controls engineer.

Pin Assignments

Connector Pin #	Wire Colour	Description
1	Green	Fault - OK
2	Black	Fault - Common
3	Red	Fault - Fault
4	Yellow	Ready - Yes
5	White	Ready - Common
6	Orange	Ready - No
7	Blue	Remote Enable - Positive Terminal
8	Brown	Remote Enable - Negative Terminal
13	Grey	420mA Negative Terminal
14	Purple	420mA Positive Terminal

Electrical Characteristics

Fault & Ready Relays

Contact Resistance (max)	100	mΩ
Contact Current (max)	2.5	A
Contact Insulation	750	VAC

Remote Enable Pins

Rated Coil Voltage[1]	24	VDC
Coil Impedence	1440	Ω
Max Coil Current	16.7	mA
Coil Insulation	750	VAC

4-20mA Output

Loop Voltage[1]	8-24	VDC
Transduced Current	See Figure 1 for details	mA
Current Tolerance	±15	%

[1] Signal is polarized.
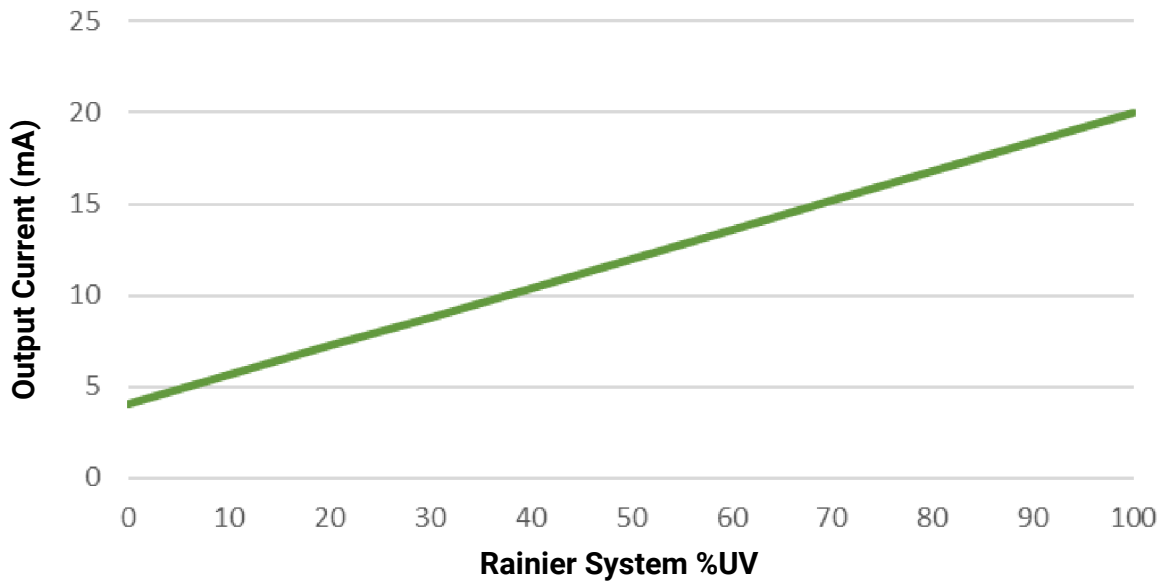
Figure 1: Nominal 4-20mA Output Values

Table 1: RAINIER Logical Output Matrix

Lamp Status	% UV	Logical Alarm	Fault Relay Status	Ready Relay Status	4-20 mA Nominal Output (mA)
ON	100	NONE	OK	YES	20
ON	90	NONE	OK	YES	18.4
ON	80	NONE	OK	YES	16.8
ON	70	NONE	OK	YES	15.2
ON	60	MINOR	FAULT	YES	13.6
ON	50	MAJOR	FAULT	NO	12
ON	40	MAJOR	FAULT	NO	10.4
ON	30	MAJOR	FAULT	NO	8.8
ON	20	MAJOR	FAULT	NO	7.2
ON	10	MAJOR	FAULT	NO	5.6
ON	0	MAJOR	FAULT	NO	4
OFF	-	NONE	OK	NO	20

Note: ALARM and FAULT relays and 4-20mA output are only valid when the system is in REMOTE mode and has a valid 24V signal applied across the Remote Enable Positive and Negative pins.