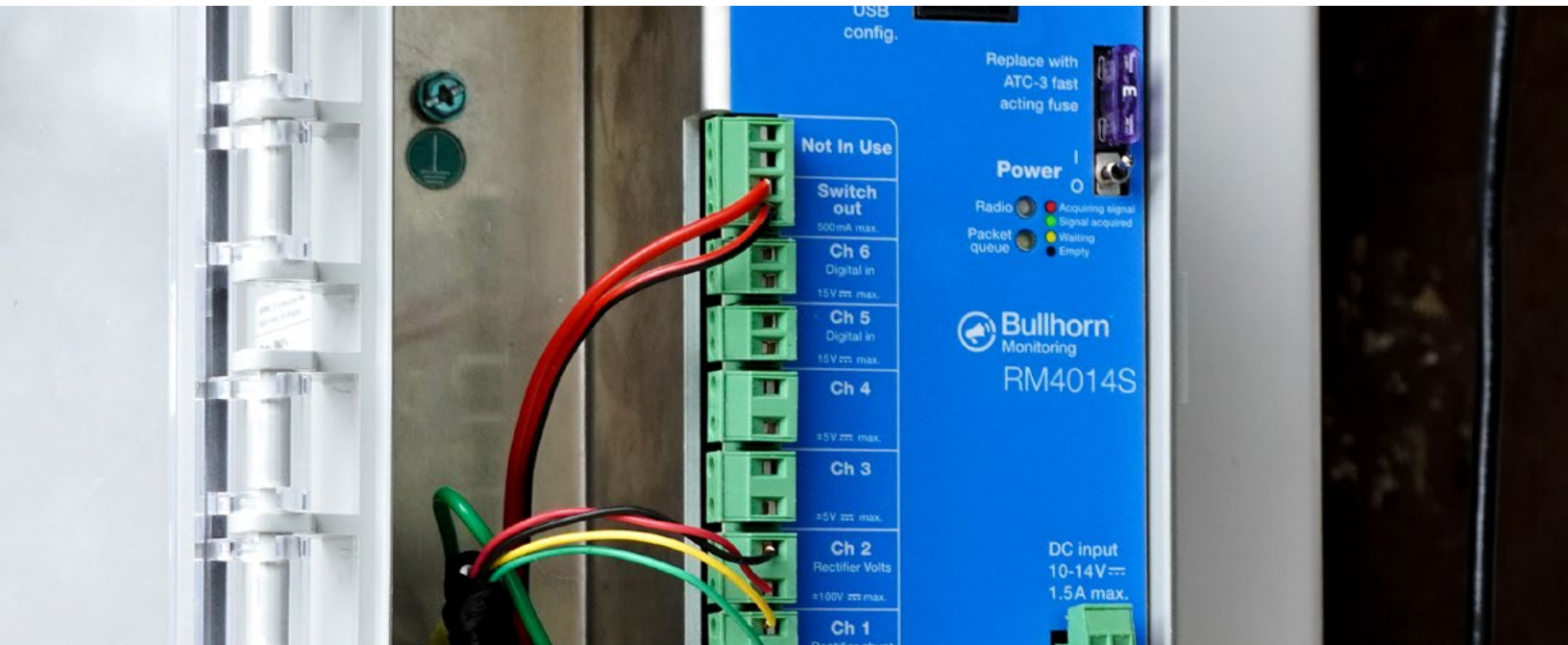


Surge Hardened to perform in the most extreme environments.

Bullhorn S Series stands up better than ever in the field. Intense testing ensures these rugged RMUs withstand lightning strikes up to 30,000 volts.



Surge Protected

Improvements to our S Series RMUs make them more resilient than ever against surge damage. Extensively tested under conditions that represent lightning strikes. Need extra protection? Add the Advanced SurgeProtect Kit for the ultimate protection against surge.

Connected

Transfer data through satellite connectivity, even in the most remote locations.

Integrated Compliance Solution

The Bullhorn RM4014S remote monitor is part of a complete, end-to-end system to support regulatory compliance. Easily import filtered measurements into [PCST™ Compliance Software](#) through [Bullhorn Web](#) to create your compliance reports.

Unrivaled Warranty

We've got your back. Our industry-leading warranty covers your S Series RMUs against all surge damage for three years.

Bullhorn RM4014S Specifications

Inputs

4 Analog Channels	
Channels 1, 3, 4 DC voltage range:	+/- 5 V
Channels 2 DC voltage range:	+/- 100 V
Accuracy of 2% of reading	
Scan rate:	16 scans per second
Channel-to-channel isolation:	≥ 250 V DC
Surge:	Survives multiple 30KV strikes. Tested using 50uS waveform to simulate lightning strike.

2 Digital Channels

Functions:	Digital input, accumulator, accumulator reset, or contact closure (0 - 15 V DC)
Logic levels:	minimum Logic 1 = 2 V; maximum Logic 0 = 800 mV
Scan rate:	16 scans per second
Accumulator maximum cycle rate:	1 cycle/2 s
Minimum state change period:	1 s
Minimum pulse width:	250 ms

Interruption Option

Maximum current:	500 mA DC
Output voltage:	10-14 V DC
Min. switching cycle:	1 s
On/off cycle increments:	100 ms
Interruption modes:	Daily, interference, start/stop, and continuous
Interference mode:	Set up to 99 rectifiers or groups for influence studies
Relay types:	NO or NC, solid state or mechanical

Software Interface

Bullhorn Web
Bullhorn Tools for PC

Communications

Satellite:	Orbcomm – IsatData Pro
Poll, reconfigure, and set alarm thresholds over-the-air	

Power Supply

AC:	100 - 240 V AC with included AC/DC converter
DC:	10-14 V DC with interruption; 5-25 V DC without interruption
Backup:	Internal sealed rechargeable battery

Dimensions

RM4014S	NEMA 4X compliant enclosure (7.5" x 5.25" x 12.25")
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Data Integrity

Data stored in non-volatile (EEPROM) memory

Environment

Temperature:	-30° C to +70° C
Humidity	0 - 100% non-condensing

Safety and Compliance

Tested safety standards:	EN61010-1:2010 EN61010-2-030:2010 CAN/CSA C22.2 No. 61010-1-2012 CAN/CSA C22.2 No. 61010-2- 030:2010 UL61010-1:2012 supplemented by UL61010-2-030:2012
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LEARN MORE: aiworldwide.com/bullhorn



American Innovations • aiworldwide.com
12211 Technology Blvd. Austin, TX 78727
800 229-3404 • info@aiworldwide.com