

# CERTIFICATE OF COMPLIANCE

**Certificate Number** 20151119-4786827453-  
**Report Reference** E203310 -20151119-Description  
**Issue Date** 2015-November-19

**Issued to:** Cooper MEDC |  
Sutton Parkway, Oddicroft Lane  
Sutton-In-Ashfield, NG17 5FB, GB |

**This is to certify that  
representative samples of** Sounder |  
DB1H |

Have been investigated by UL in accordance with the  
Standards indicated on this Certificate.

**Standard(s) for Safety:** IEC 61508: 2010, "Functional safety of  
electrical/electronic/programmable electronic safety-related  
systems", 2nd Edition |

Bruce A. Mahrenholz, CPO Director, North American Certification Programs  
UL LLC

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**Additional Information:** Complies with the requirements for the following functional safety ratings:

- SIL Capability 1, as defined by IEC 61508:2010
- Safety integrity data:

HFT = 0

SFF = 65.2%

PFH = 8.87e-8/h

PFD = 3.89e-4 (proof test interval of 8760h)

$\lambda_S$  = 159.6 FIT

$\lambda_{DD}$  = 6.5 FIT

$\lambda_{DU}$  = 88.7 FIT

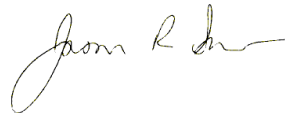
In a redundant installation and redundant mode of use of two units of DB1H, SIL 2 capability regarding architectural integrity and systematic capability can be achieved. The PFH or PFD value is to be calculated and verified based on installation and operational profile.

The product must be installed, operated, and maintained, in accordance with the instructions for use. See the UL Online Certifications Directory at [www.ul.com/database](http://www.ul.com/database) for additional information.

Reviewed by:



Thomas Maier  
Principal Engineer



Jason R. Smith  
Staff Engineer

Bruce A. Mahrenholz, CPO Director, North American Certification Programs  
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