



BMS-100

BMS Controller



The **BMS-100** is designed as a pilot maintainer for flare, combustor, or fire tube applications within the oil and gas industry. The system operates with FT Ignition Units to provide optimal ignition.

Features

- Pilot Maintainer
- Thermocouple Flame Sensing
- Valve Control
- Standby/Shutdown Input

Features w/Combo Card

- Modbus RS485 (Read Only)
- High-Temperature Thermocouple
- 4-20 mA Input
- Data Logging



The SureFire Difference:

- ✓ Retrofit-friendly design
- ✓ OOOOb compliant
- ✓ Hot surface ignition ready
- ✓ Reliable pilot operation
- ✓ Simplifies flare/ecd operation
- ✓ Simplified troubleshooting

APPLICATIONS

Flare

Combustor

Fired Equipment



SPECIFICATIONS

Power Input	12 VDC Input / 24 VDC Input (with adapter card)
Power Draw	MAX 7.8 AMPS / NOMINAL 0.6 AMPS
Approved Operating Temp	-40°F to +131°F (-40°C to +55°C)
Enclosure Construction	Polycarbonate (12x10x6)
Environmental Protection	IP66 / Type 4/4X
Hazardous Location Rating	Class I, Div 2, Group ABCD; T4A Class I, Zone 2, Group IIC; (US Only)
Warranty Policy	Three-years from date of sale

CERTIFICATIONS



Certified to:
UL STD 61010-1 & UL STD 61010-2-030
UL STD 121201:2017 Ed.9
Model Number: BMS - 100
Rated Input Voltage: 12VDC - 13.4VDC
Amperage: 5A Max

Wattage: 67W Max
Ingress Protection (EN 60529): IP66/IP67
Class 1, Division 2, Groups C and D, or Unclassified Applications, T4
Ambient Temperature Range:
-40°F STAMB ≤ +131°F (-40°C STAMB ≤ +55°C)



Certified to:
CAN/CSA-C22.2 No. 213-17
UL 121201 (Ed 9) & ANSI 221.20-
20k4/CAN/CSA-C22.2 No. 60730-2-5-14

