

BC250_CGB

Autoprime Interactive Fire Detection System Product Datasheet

Features

- SelfVerify-function for automatic testing of detectors
- Automatic setup
- Automatic addressing of detectors
- Four loops
- Intended for console and cabinet mounting
- USB for data transfer to/from memory stick
- An operator panel is mounted separately
- Designed to meet EN 54 and SOLAS requirements, MED (“wheel-mark”) and CPD certified
- Complies with environmental conditions of
- IEC-721-3-3 class 3k5
- Built-in output for VDR and Modbus communication
- Supports NAUT OSV requirements

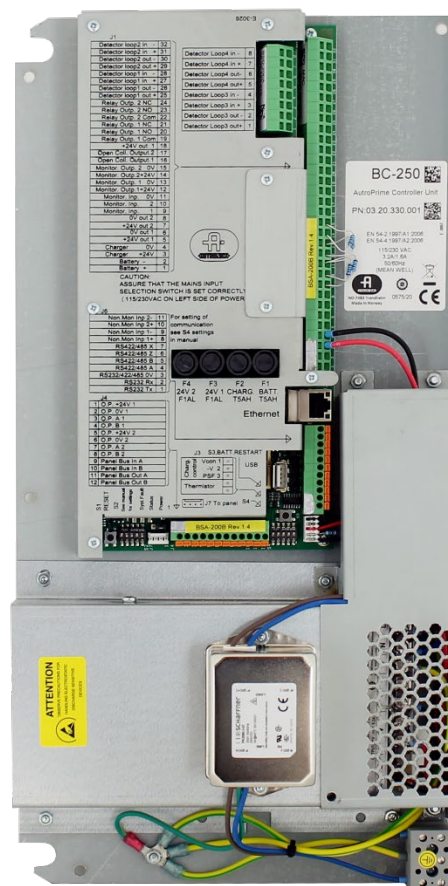
Description / Application

The BC-250 is an integrated Controller Unit for small-to-medium-sized Autoprime installations. The unit is specifically designed for use in maritime applications and meets the SOLAS’ requirements.

In combination with Operator Panel BS-210 (an integrated part of Fire Alarm Control Panel BS-200/BS-200M) it can serve as a stand-alone panel. All alarm handling and system features are configured, controlled and monitored from the BS-210.

For information on indicators, buttons and functionality, refer to the BS-200/BS-200M datasheet.

The Controller Unit BC-250 is delivered with four detection loops. The loops support all Autronica detectors and several types of I/O devices for monitored outputs, open collector outputs, galvanic isolated inputs and monitored inputs.



Capacity, maximum numbers of:	
Detection loops per fire alarm controller	4
Loop units per detection loop	127
Loop units per branch on a detection loop	32
Loop sounders per detection loop	40
Fire Brigade/Information/Repeater Panels and Mimic Drivers per fire alarm control panel	8
Serial ports	1
Ethernet	1
USB host ports	1
Languages supported	15
Relay outputs (Onboard)	2
Monitored outputs (24V) (Onboard)	2
Non-monitored outputs (OC) (Onboard)	2
Inputs (Onboard)	4

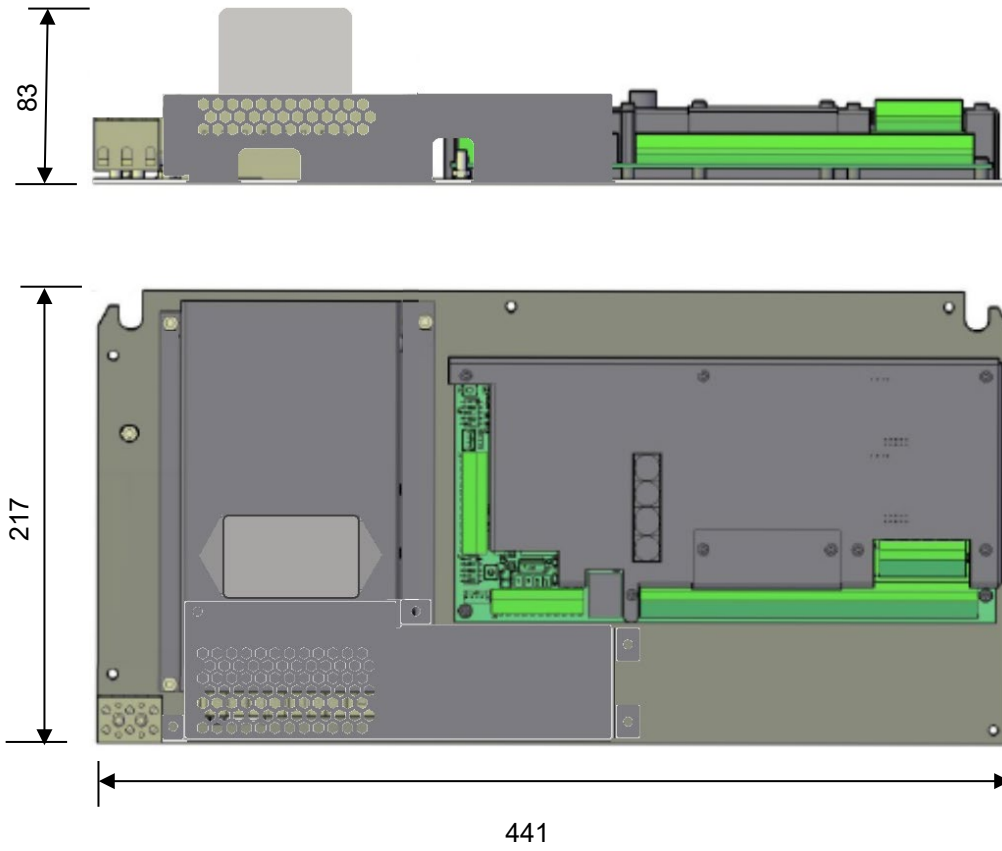
Part number	Description
116-KIT-BS-250	116-BC-250 Autroprime Controller Unit 116-BS-210 Operator Panel 116-E-2717 Packet with text insert BS-200 116-XL-072 Cable between BS-210/BSA-200A 116-UD-731 Mounting bracket Operator Panel 116-6745-012. Standard key for fire alarm panel 116-7367-015.0007 PLUG.PC-KL.MSTB2.5/7ST5.08 7P
116-BC-250	Autroprime Controller Unit – Spare part

Technical specifications	
Dimensions (mm)	441 x 217 x 83
Weight (g)	3,5kg
Housing material	AluZinc
Mounting	See below
Protection class	Requires: -IP30 encapsulation for EN-54 certified installations. -IP22 encapsulation for maritime certified installations.
Operation temperature	-15°C to +70°C
Storage temperature	-40°C to +70°C
Humidity	10% - 95% (non-condensing)
Power supply	115/230 VAC, +10% / -15% 1,6A/0,8A, Frequency 50/60Hz
Current consumption	150mA at 27 VDC
Loops	4
Capacity – loop units	127 per loop
Batteries	2 x 12V = 24V (not included)
Communication	Built in TCP/IP (Ethernet) for Modbus, Serial Port

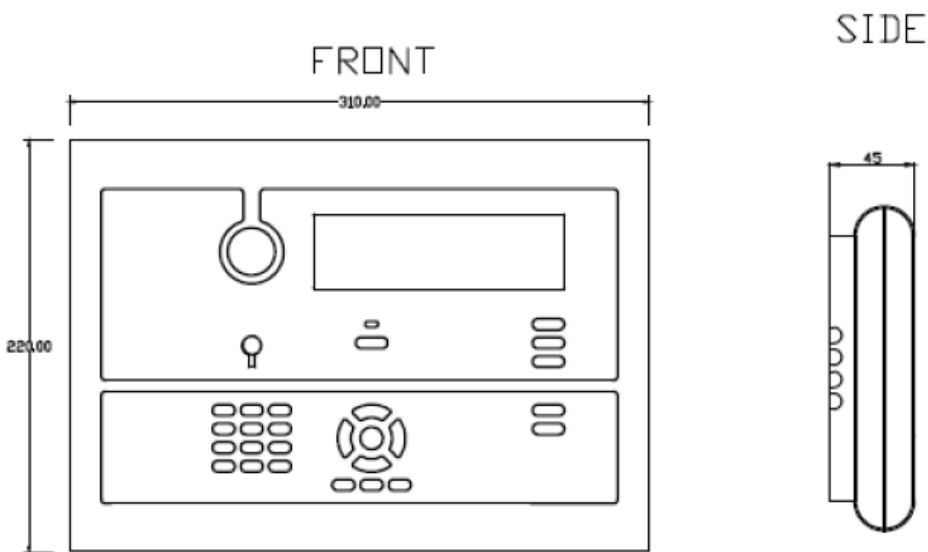
Approvals

Refer to <http://product.autronicafire.com/certificates/>

Dimension Drawings

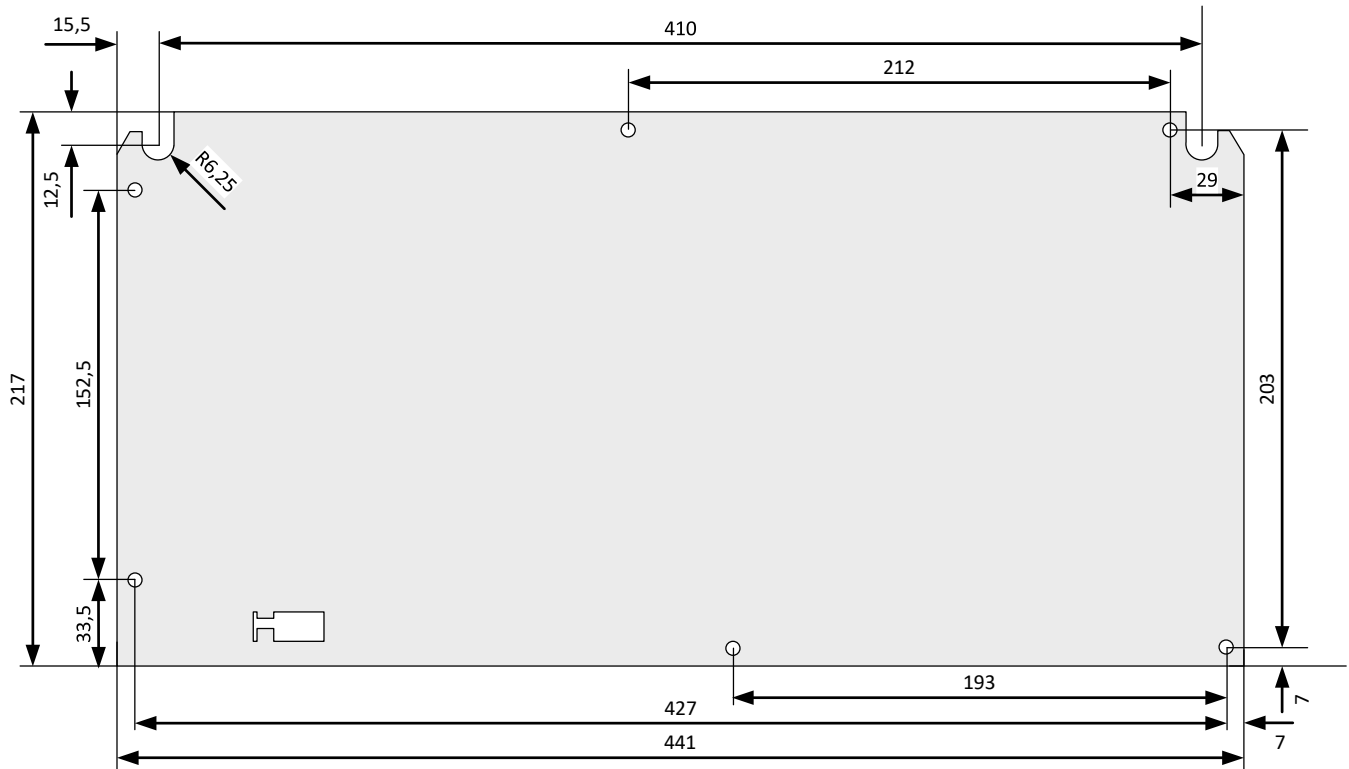


Operator Panel BS-210

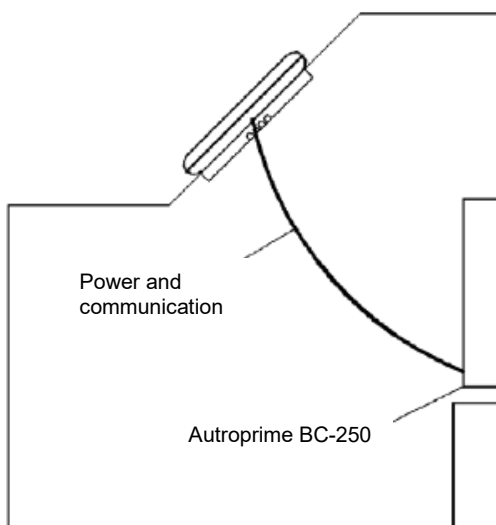


Installation

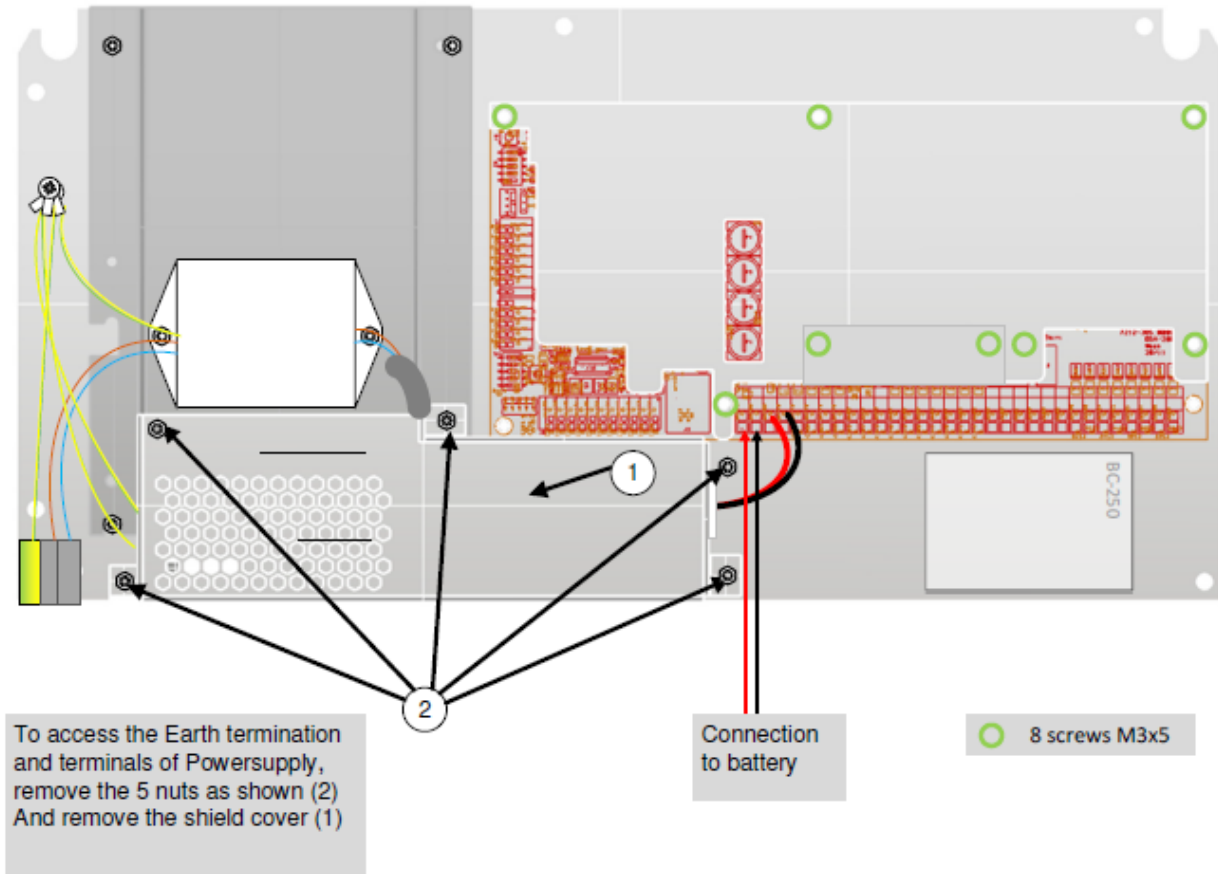
For console and cabinet installation



Console mounted with operator panel



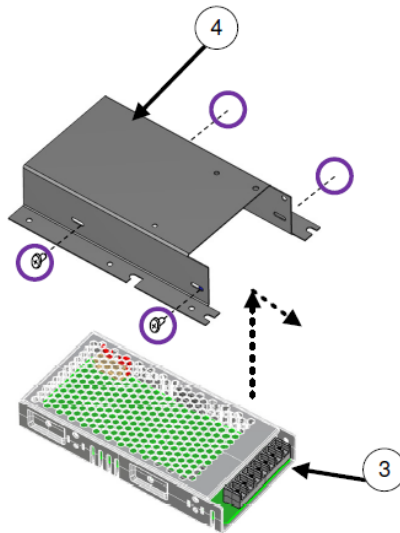
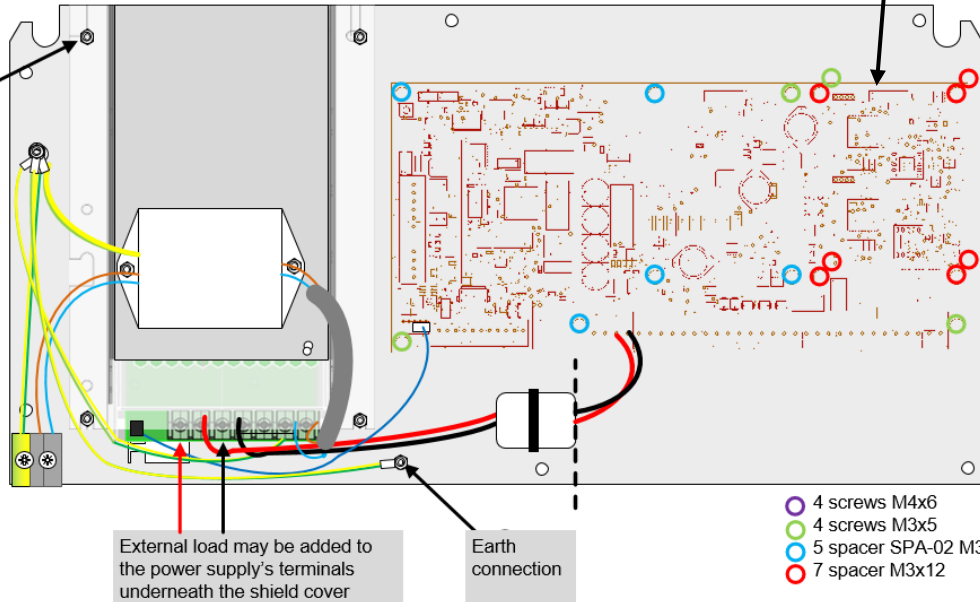
Accessing Power and Earth Connection



Service – Disassembly and Assembly

The BSD-200 Loop driver is fastened with 1 M3x5 plus 3x spacers M3 x 12mm
The BSA-200 Main board is fastened by 9 spacers and 3 screws.

Replace power in bracket by removing the 2 upper M4 nuts and loosen the 2 lower. Lift the bracket from the panel at the top and slide the it upwards to detach from the attachment.



4 screws M4 to fasten the power supply, move the power rightmost in the sliding holes