

AUTOPRIME MARITIME FIRE DETECTION UNITS

Autoprime Interactive Fire Detection System Product Datasheet

Features

- Autoprime versions specifically designed for the maritime market
- SelfVerify function for automatic testing of detectors
- Automatic setup
- Automatic addressing of detectors
- Four detection loops
- USB for data transfer to/from memory stick
- An operator panel BS-210 is included and can be mounted wherever suitable
- Cable for connection of operator panel included (2m)
- Batteries included (2)
- 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

These complete Autoprime fire detection units are specifically designed for the maritime market. They are delivered as two different variants:

- Autoprime Maritime fire detection unit delivered as a cabinet
- Autoprime Maritime fire detection unit delivered as a mounting plate for mounting inside a bridge console

Both variants provide change-over for mains/emergency with battery backup and the following inputs/outputs:

- 1 Emergency Ventilation Stop Accommodation
- 1 Emergency Ventilation Stop ECR
- 1 Door Holder Magnet
- 1 Common Fault to AMS
- 1 Common Alarm to AMS
- 1 Power Failure to AMS
- 1 Spare Power Failure Output
- 1 Output to Light Column ECR
- 2 Sounder Bell/Horn (230V AC)
- 1 Fire Alarm No Delay (PA)
- 1 Fire Alarm 2 Min. Delay (PA)
- 2 Inputs Sig from PA System



Both variants can be delivered with BUR-200, providing 14 optional relay outputs for connection of various external equipment.

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 unit	8
Serial ports	1
Ethernet ports	1
USB host ports	2
Languages supported	15
Standard outputs	10
Optional outputs (BUR-200)	14
Relay outputs (on BC-250, spare)	2
Monitored outputs (24V) (on BC-250, spare)	2
Non-monitored outputs (OC) (on BC-250, spare)	2
Input (2 spare on BC-250)	2(4)

Part Numbers	Description
116-AP-MAR-CAB-BUR	AP IN CABINET W BUR
116-AP-MAR-CAB	AP IN CABINET WO BUR
116-AP-MAR-PLATE	AP ON MOUNTING PLATE WO BUR
116-AP-MAR-PLATE-BUR	AP ON MOUNTING PLATE W BUR
116-4160-005.0005	Battery, 5Ah (2 batteries are included in each of the above part numbers)

Technical specifications		
Dimensions (mm)	See dimension drawings for the different part numbers.	
Weight (g)	116-AP-MAR-CAB-BUR 116-AP-MAR-CAB 116-AP-MAR-PLATE 116-AP-MAR-PLATE-BUR	45,4 kg (batteries and operator panel included) 44,5 kg (batteries and operator panel included) 18,9 kg (batteries and operator panel included) 19,8 kg (batteries and operator panel included)
Housing material cabinet	AluZinc	
Protection class cabinet	116-AP-MAR-CAB-BUR 116-AP-MAR-CAB	IP32 encapsulation for EN-54 certified installations IP32 encapsulation for EN-54 certified installations
Protection class when mounted in bridge console	116-AP-MAR-PLATE 116-AP-MAR-PLATE-BUR	Protection class depends on the encapsulation that is used.
Operation temperature	-15°C to +70°C	
Storage temperature	-40°C to +70°C	
Humidity	10% - 95% (non-condensing)	
Power supply	230 VAC, +10% / -15% 1,6A, Frequency 50/60Hz	
Current consumption	250mA at 27 VDC	
Detection loops	4	
Capacity – loop units	127 per loop	
Batteries	2 x 12V = 24V, 5Ah (2 batteries are included in each part number)	
Communication	Built in TCP/IP (Ethernet) for Modbus	
	Serial port prepared for connection of VDR (NMEA 0183 protocol RS-232, RS-422/485)	

Approvals

Ref. www.autronicafire.com/approvals

Dimension Drawings

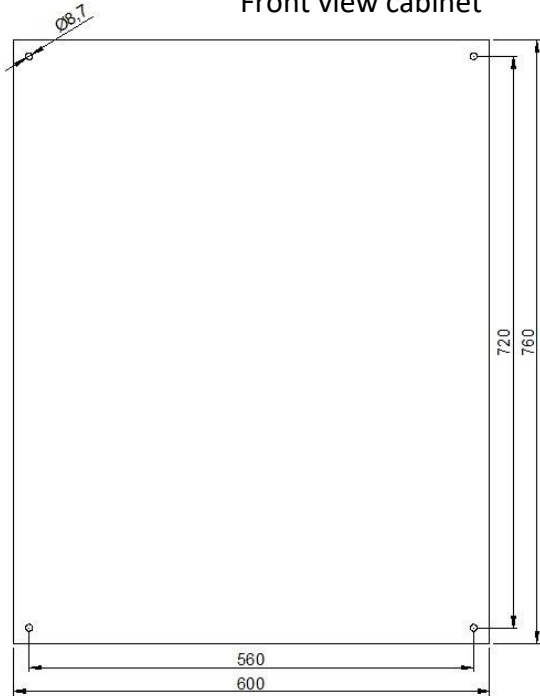
116-AP-MAR-CAB-BUR

116-AP-MAR-CAB

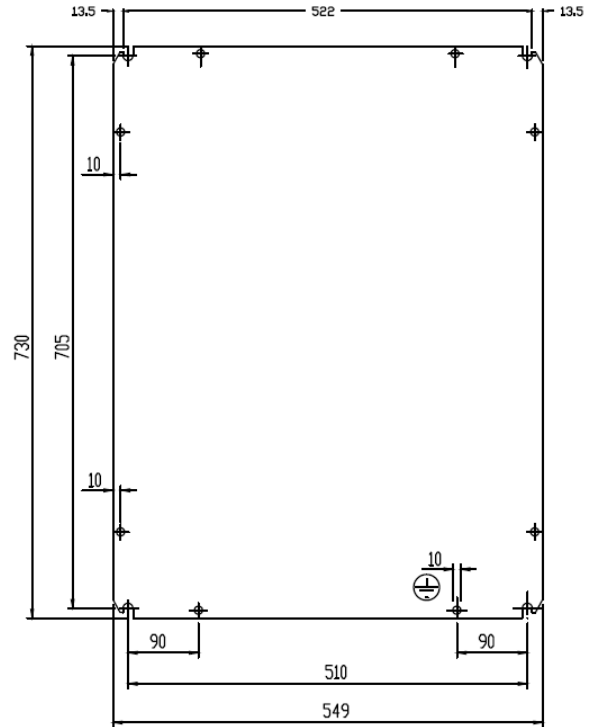
116-AP-MAR-PLATE

116-AP-MAR-PLATE-BUR

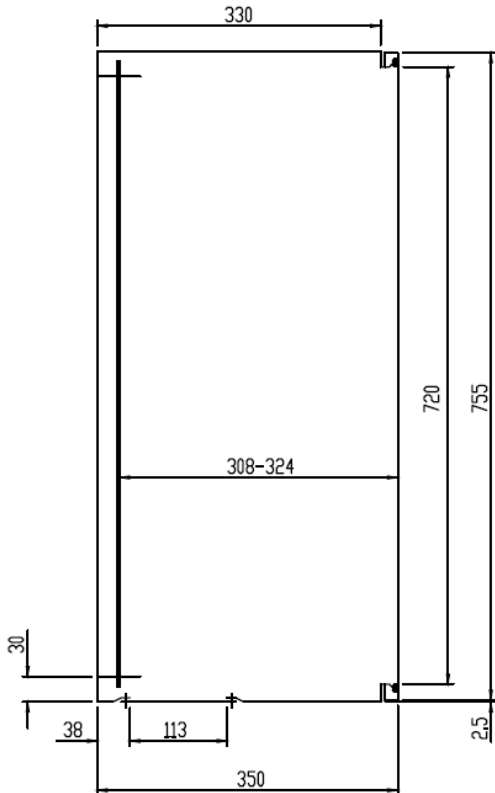
Front view cabinet



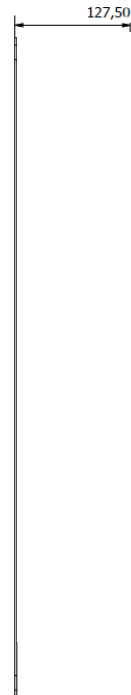
Front view mounting plate



Side view cabinet



Side view mounting plate



Operator Panel BS-210

