



AX-9BG

Analog Addressable Break Glass

EN 54-11 MS1745-11

Features:

- Red LED alarm indicator when glass is shattered
- Microcontroller based design with non-volatile memory
- Unique Alarm/Reset test tool for easy maintenance
- Soft or hard addressing programming mode
- Optional protective clear plastic cover for double action alarm activation

Principles of operation:

A fire alarm manual call point is an active fire protection device, usually referred to as an MCP or "break glass" within the fire protection industry. The user activates the alarm by shattering a glass panel, which completes a circuit and initiates an alarm on a fire alarm system.

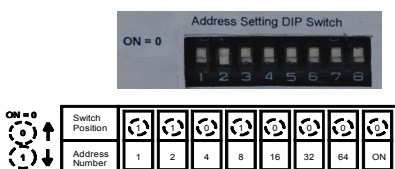
Resetting a MCP after it has been operated requires building personnel or emergency responders to open the station using a hex key to replace the broken glass.

MCP is a single action device and only requires the user to shatter a glass panel. However, in areas where false calls are a problem, MCP may be covered with a clear plastic cover that requires the user to perform a second task

Programming:

The address of the AX devices can be set by a built-in DIP switch or a portable tester as followed:

Hard Addressing:



Example: switch 1 & 4 is off, all other switches are on, the address is 1+8=9

Each loop can interface up to 126 devices.
(the address 0 & 127 is reserve for manufacturer debugging usage)

Soft Addressing:



The tester has a built-in detector base and wire terminals to set address of all AX devices. It can also be used as a viewer to read the analog value of the devices, as well as turning on/off the LED indicator or output.

LED Indication:

Normal condition: The LED will flash once every 2-4 seconds when polled by the main alarm panel in standby mode.

Address Crash condition: The LED will flash twice or more within 2 seconds to indicate that there is another device (or devices) on the loop with the same address.

Alarm condition: The LED will be latch on in alarm condition as instructed by main alarm panel.

Technical Specification:

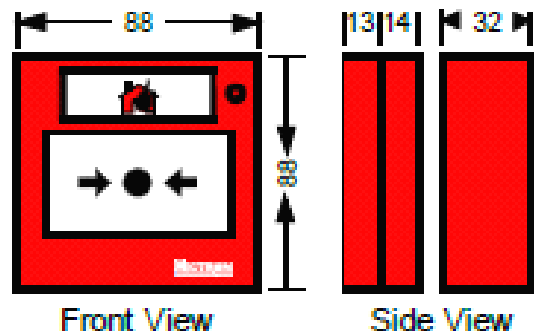
Brand	: Micron
Model	: Series AX
Part Number	: AX-9BG
Quiescent Current	: 500uA
Alarm Current	: 1.3mA
Operating Voltage	: 18-28V DC
Type	: Non-Resettable
Temperature Range	: -20 to 70°C
Operating Humidity	: 95% RH (Non Condensing)
Weight	: 140g
Material	: ABS
Dimension (overall)	: 88mm X 88mm X 59mm
Dimension of back box	: 88mm X 88mm X 32mm
Colour	: Red
Approved Standard	: MS1745-11, SIRIM
Certificate Number	: 2014EEB0276 SIRIM

Optional Protective Cover AX-9BG-PC:

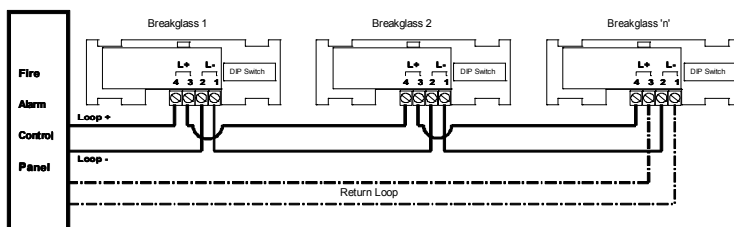


Protective cover to protect break glass for outdoor installation, as well as double action activation of alarm condition.

Dimension:



Wiring Detail:



Ordering Information:

<u>Part Number</u>	<u>Description</u>	<u>Part Number</u>	<u>Description</u>
AX-9BG	Break Glass (1 set exclude AX-9BG-PC)	AX-9BG-PC	Protective Cover only
AX-9BG-FC	Front Cover only	AX-9BG-G	Glass only
AX-9BG-BB	Back Box only	AX-9BG-TT	Test Tool only

Micro-CTL reserves the right to alter specification of its product without prior notice