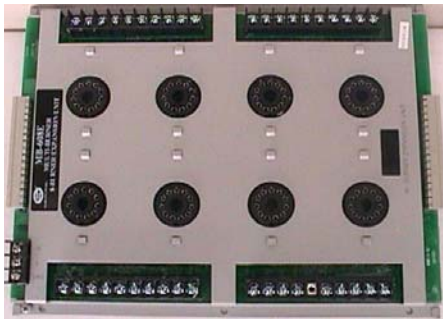




FIREYE Inc.
 3 Manchester Road
 Derry, NH 03038
 USA
 Tel: (603) 432-4100

INSTALLATION SHEET 133-650 MULTI-BURNER CONTROL EXPANSION BOARD MB-604E AND MB-608E



For Multi-Burner Control systems that require more than 4 burners, Fireeye provides two optional expansion modules. The MB-604E provides the capability to add up to 4 flame sensing modules (MBPF-100S). The MB-608E provides the capability to add up to 8 flame sensing modules (MBPF-100S). For systems monitoring 13 to 20 burners, two of the MB-608E expansion boards are daisy chained together.

MB-608E

Note:

The four burner expansion board, MB-604E, CANNOT be used in conjunction with the eight burner expansion board, MB-608E.

A cable, part numbers 59-506-1 or 59-506-3, connects either expansion board to the Multi-Burner Control system, MB-600S. (J8 on the motherboard to J2 on the expansion board). The 59-506-1 is 6 inches and the 59-506-3 is 36 inches.



MB-604E



59-506-1

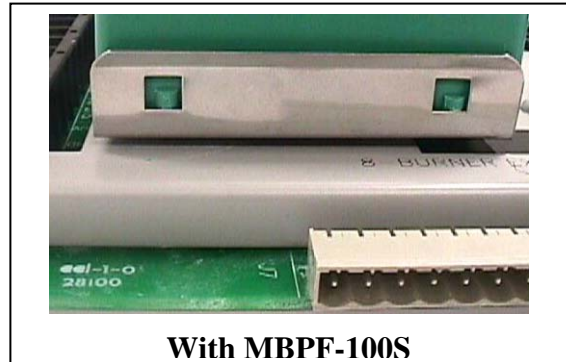
The flame sensing modules are secured to the Expansion Board through the use of locking brackets, part number 61-6995. The locking bracket is mounted onto the expansion board and held in place by the metal retainers fabricated as part of the expansion board chassis.



61-6995

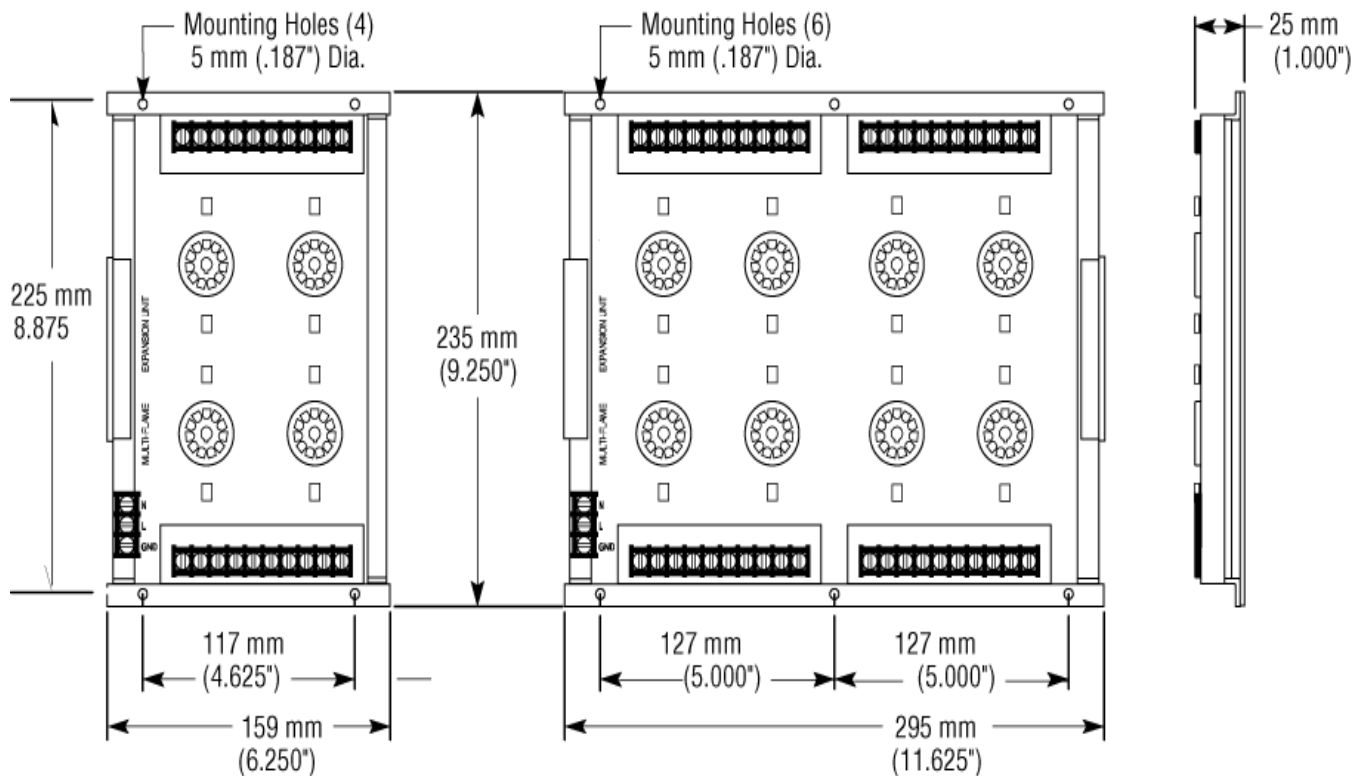


Shown mounted to MB608E



With MBPF-100S

DIMENSIONS:



MB SERIES Ordering Information

Part Number	Description	Bulletin
MB-600S	Multi-Burner Flame System, 120 VAC, 50/60 Hz consisting of motherboard (MB-600M), relay board (MB-600R), logic module (MB-600L), and power module (MB-600P), contains 4 auxiliary inputs, purge modulation, valve leak testing	MB-6001
MB-632S	Same as MB-600S except motherboard is MB-632M for RS-232 communications.	
MB-685S	Same as MB-600S except motherboard is MB-685M for RS-485 communications.	
MB-600PF	Plug-in flame sensor module, UV/FR, Plastic Case with mounting screws.	
MBPF-100S	Plug-in flame sensor module, UV/FR, Plastic Case with locking tabs for expansion board.	MBPF-1000
MB-604E	Expansion board (for up to 4 burners)	
MB-608E	Expansion board (for up to 8 burners)	
59-506-1	152 mm (6 in) cable for expansion board	
59-506-3	914 mm (36 in) cable for expansion board	
MBPF-100S	Plug-in flame sensor module, UV/FR, Plastic Case with locking tabs for expansion board.	MBPF-1001
61-6995	Bracket, locking for MBPF-100S	