® fireye

MEP560, MEP561, MEP562, MEP536, and MEP537 PROGRAMMER MODULES

FOR USE WITH THE FIREYE® MODULAR MicroM™ CONTROL TO BE USED WITH MEC120 AND MEC230 CHASSIS

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DESCRIPTION

The Fireye MEP560, MEP561, MEP562, MEP536 and MEP537 Programmer Modules are used with the Fireye Modular MicroM control. The operational characteristics of the control are determined by the selection of the programmer module (e.g. re-light, 2-stage capability, pilot cutoff, etc.). The programmer module incorporates a plug-in design for easy installation.

These programmer modules are equipped with a series of dipswitches to select Purge Timing, Pilot Trial for Ignition (PTFI) Timing, Air Flow Proven Open at Start, Post Purge and Recycle or Non-Recycle operation. LED indicator lights are on all programmer modules, indicating the operating status of the control as well as providing diagnostic codes during lockout. A check/run switch is provided to assist in testing size and stabilization of the pilot.

Flame Failure Response Time (FFRT) is determined by the selection of the amplifier module. Test jacks are also provided on the flame amplifier module to permit flame signal measurement during operation. For proper and safe application of this product, you must refer to Fireye bulletin MC-5000 for a detailed description of the various programmer modules, including installation instructions, amplifier selection, operating sequences for each programmer module, etc.

⚠ **WARNING: Selection of this control for a particular application should be made by a competent professional, licensed by a state or other government agency. Inappropriate application of this product could result in an unsafe condition hazardous to life and property. Installation should not be considered complete until pilot turndown and other appropriate performance tests have been successfully completed.**

PROGRAMMER MODULE SELECTION

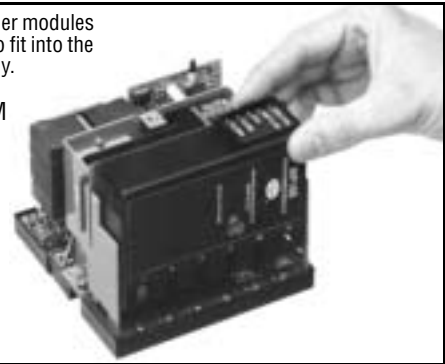| MicroM Programmer Models (For use with MEC120 and MEC230 Chassis)	
MEP560	Provides dip switches to select purge time (7, 30, 60, 90 seconds), 5/10 second PTFI, Air Flow Proven Open at Start, Post Purge, Recycle or Non-recycle. Provides 8 second pilot stabilization period and 10 second main trial for ignition. Run/check switch included.
MEP561	Same as MEP560 without 8 second pilot stabilization. Selectable purge time on 7, 10, 15, 30.
MEP562	Same as MEP560, lockout on loss of air flow, non-recycle operation only.
MEP536	Same as MEP560 without pilot stabilization period. Will not lockout on air flow open during purge period.
MEP537	Same as MEP536 except provides one recycle on main flame failure.

⚠ **WARNING: Remove power from the control and remove the control from its wiring base before proceeding.**

INSTALLATION

The Programmer Modules are used with the Fireye modular MicroM Chassis (P/N MEC120, MEC120RC, MEC120R, MEC120D, MEC120RD and MEC120C for 120VAC and MEC230 for 230 VAC). They are installed in the chassis by grabbing hold of the programmer module by the ridged finger grips on the side on the module, aligning the module with the guide slots on the opening farthest from the transformer, and inserting the module into the pin connectors.

The programmer modules are designed to fit into the proper slot only.
DO NOT FORCE THEM

PROGRAMMER DISPSWITCH SETTINGS

NOTE: The dipswitch settings become permanently stored within the programmer's eeprom memory after 8 hours of continuous electrical operation. This allows sufficient opportunity to make the appropriate selection, test and checkout the system. Once stored, the settings cannot be altered.

The MEP500 series programmers have a series of 6 dipswitches which allow the user to program the purge timing, trial for ignition timing, enable post purge, enable proof of air flow open proven and start and select recycle/non-recycle operation.

MicroM Programmer Dip Switch Configuration

6	5	4	3	2	1		
				C	C	7	PURGE* TIME SECONDS
				C	O	30	
				O	C	60	
				O	O	90	
			C			DISABLED	POST PURGE
			O			15 SECONDS	
		C				5	PTFI TIME
		O				10	
	C					DISABLE	PROVE AIR FLOW
	O					ENABLE	
C						RECYCLE	
O						NON-RECYCLE	

Header: SWITCH | FUNCTION

* The MEP561 Programmer module has selectable purge timings of 7, 10, 15 and 30 seconds.