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ADDENDUM, EP-1601 EP177 PROGRAMMER

The purpose of this addendum is to explain the operation of the EP177 programmer. It is recommended that bulletins E-1101, EP-1601 and ED-5101 should be read and understood.

The program sequence timings of the EP177 are the same as the EP170 programmer.

The EP177 provides the following adjustments made via the ED510 keypad.

PURGE TIME 30s, 1m, 3m, 5m, 7m, 9m, 10m, 12m, 15m, 16m, 18m, 20m, 22m,
25m, 27m, 30m, 32m, 35m, 37m.
default is 30s

Pre-purge time begins after the open damper proving switch (8) is detected closed.

PROVE 3-P OPEN Y/N **default is N**

The non-recycling interlocks wired between terminals 3 and P must be open at the start of a cycle.

TERMINAL 6 = INTRP/INTMT **default is INTRP (interrupted)**

The pilot valve terminal can be set for interrupted or intermittent operation. If intermittent (INTMT), terminal 6 will remain energized during the firing cycle.

PROVE D-8 OPEN Y/N **default is N**

The open damper proving switch must not be closed at the start of a burner cycle.

PROVE M-D OPEN Y/N **default is N**

The closed or low fire start position of the damper must not be closed at the end of open damper pre-purge time.

PURGE COUNT UP/DWN **default is DWN**

If selected as DWN, the pre-purge time will start at the selected time and count down to 0.

POST PURGE 1s, 15s, 30s, 60s **default is 15s**

At the end of low fire start, the EP177 will wait indefinitely for the low fire start switch to close before proceeding to pilot trial for ignition.

Dip switch 1, placed in the up position, is used to delay the activation of the blower motor output, terminal M, for 3 seconds after terminal 13, operating control, is detected as on. This is to allow externally connected controls to determine the end of a burner cycle.