Boiler Control For Flame Failure Sensor, Shutdown and Lockout with Reset

Activate Ignition Timer Upon Call For Heat by the Thermostat

Thermostat	Flame Sensor	ShutDown and Lockout	Ignition Timer
I:0/0	I:0/1	B3:0/1	
1761-Micro	1761-Micro		

Rung 0000:
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                                                        ┌─── TON ──────────────────┐
                                                        │ Timer On Delay         ─(EN)─
                                                        │ Timer          T4:1      │
 ──┤ ├──────┤/├──────────┤/├────────────────           │ Time Base       1.0    ─(DN)─
                                                        │ Preset          10<      │
                                                        │ Accum            0<      │
                                                        └──────────────────────────┘
```

Lockout and Shutdown Boiler If Flame NOT established Before Ignition Timer "Times Out"

Activated By Timer#1 After Preset is Reached	ShutDown and Lockout
T4:1/DN	B3:0/1

Rung 0001:
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 ──┤ ├────────────────────────────────────────────────────(L)──
```

Enable Boiler Upon Call for Heat OR Disable IF Flame Failure

		Output To Furnace Burner
Thermostat	ShutDown and Lockout	O:0/0
I:0/0	B3:0/1	
1761-Micro		1761-Micro

Rung 0002:
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 ──┤ ├──────┤/├──────────────────────────────────────────< >──
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Reset Lockout Upon Repair of Flame Failure Fault

Reset of ShutDown	ShutDown and Lockout
I:0/2	B3:0/1
1761-Micro	

Rung 0003:
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Rung 0004:
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 ─────────────────────────────────────────────────────( END )──
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