

## For All Modernization and Replacement Applications, Follow the Instructions Below.

### CAUTION

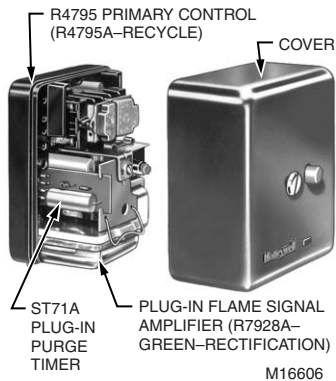
Installer must be a trained, experienced, flame safeguard control service technician. Disconnect power supply before beginning installation to prevent electrical shock and equipment damage. More than one disconnect may be involved.

All wiring must comply with applicable local electrical codes, ordinances, and regulations. Voltage and frequency of the power supply and flame detector(s) connected to this control must agree with those marked on the device. Loads connected to the control terminals must not exceed those listed in specification sheet for this product.

All external timers must be listed or component recognized by authorities having jurisdiction, for the specific purpose for which they are used.

Perform all required checkout tests after installation is complete.

## RA890 and Fireye “M” Series Modernization



- Use R4795 Primary Controls to provide proven prepurge period and recycle on flame failure.
- 9.8A burner motor contact rating for longer life; solid state circuitry for greater dependability.
- Mount on same Q270A Subbase as RA890, use same flame detector.
- Increase flexibility and reduce maintenance costs with field-replaceable, plug-in purge timers and flame signal amplifiers.
- Flame signal strength ( $\mu\text{A}$ ) labeled on amplifier to reduce service time.
- All controls are listed by Underwriters Laboratories Inc.
- Three-second flame failure response time for increased safety.
- Plug-in components add versatility and reduce inventory and future replacement costs.

For complete Honeywell and competitive modernization information, refer to the *Flame Safeguard System Modernization Survey and Proposal Form*, in *THE FIRING LINE*, Honeywell form 70-8900. For information about *THE FIRING LINE*, see *Training Materials* section.

Modernize Honeywell RA890E,F,G and Fireye “M” Series relays.

Programmer/Relay to be Replaced/Modernized	Replacement Programmer	Plug-in Amplifier	Detector	Plug-in <sup>a</sup> Timer (recommended)
RA890E,F	Use R4795A1016 for UL approved installations.	R7289A1004	Use existing rectification detector.	ST71A1000 (7-sec delay for oil)
RA890G		R7290A1001	Use existing U.V. detector.	ST71A1018 (30-sec purge)
Fireye TFM Series <sup>b</sup>		R7289A1004	Use existing rectification detector.	ST71A1026 (60-sec purge)
Fireye UVM Series <sup>b</sup>		R7290A1001	Replace Fireye detector with C7027A1080 U.V. detector.	ST71A1034 (90-sec purge) ST71A1042 (10-sec purge)

<sup>a</sup> Many codes require 4 air changes during purge. Choose the timing needed to accomplish this (typically 30 seconds at high fire—open damper—or 90 seconds at low fire).

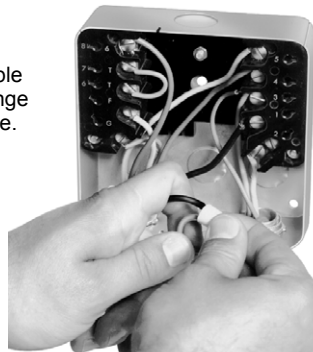
<sup>b</sup> When replacing Fireye M-series programmers, a Q270A1024 subbase must be installed in place of the Fireye subbase.

### INSTALLING AN R4795

1  
Disconnect power supply and remove RA890.



2  
Make simple wiring change in subbase.



3  
Install R4795.

