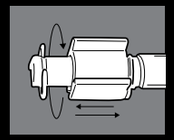
Self-cleaning probes help prevent lime build-up.

All McDonnell & Miller electronic low water cut-offs are equipped with self-cleaning probes. This patented device prevents mineral build-up on the probe surface by cleaning the probe during normal operation. The recommended probe maintenance interval has now been extended to five years.



The movement of water around the probe causes the cleaning element to oscillate, constantly removing lime build-up.

All boilers need low water cut-off protection.

McDonnell & Miller GuardDog® Low Water Cut-Offs provide low water protection for hot water boilers.The burner circuit will be interrupted if the water level drops below safe levels due to system leaks and/or an interrupted make-up water supply.

The International Residential Code (2003 and newer), upon which many state and local codes are based, states:

> **M2002.5 Boiler low-water cutoff.**
> All steam and hot water boilers shall be protected with a low-water cutoff control. The low-water cutoff shall automatically stop the combustion operation of the appliance when the water level drops below the lowest safe water level as established by the manufacturer.

McDonnell & Miller GuardDog Low Water Cut-Offs ensure code compliance and provide the necessary level of homeowner safety.

Don't Take Chances.

McDonnell & Miller has been the industry leader in boiler controls for 80 years.

- Comprehensive line of mechanical and electronic boiler controls for commercial and residential applications
- ISO 9001 Certified Quality Management System
- All McDonnell & Miller controls are fully tested prior to shipment
- Part of the ITT family of building products, including Bell & Gossett, Hoffman Specialty and Goulds Pumps
- Unparalleled representative network that draws upon global resources to provide local solutions

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McDonnell & Miller is a leader in engineering and manufacturing boiler controls, flow switches and liquid level controls for commercial, industrial and residential applications.

Engineered for life

Get Control

Series RB-24E

•Brass threads enable a secure and trouble-free installation.

NEW

•Test button to quickly confirm proper operation.

•Universal wiring harness fits 100% of today's gas boilers.

•-S, -A and -L models provide "plug & play" installation with most popular residential boilers.

- Automatic reset feature resumes operation after a power outage when water is on probe
- Green power-on indicating LED
- Red low water indicating LED
- 15,000 ohms probe sensitivity
- Maximum ambient temperature 120°F (49°C)
- Maximum water temperature 250°F (121°C)
- Maximum water pressure 50 psi (3.5 kg/cm2)

Series RB-122E

•Brass threads enable a secure and trouble-free installation.

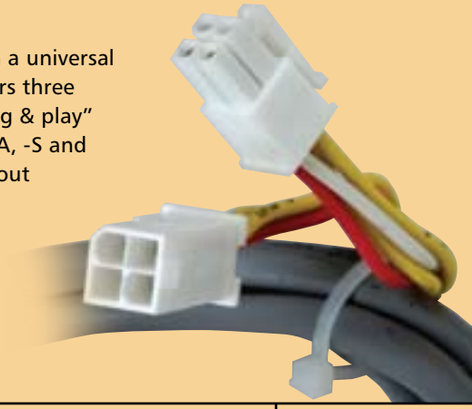
•Test button to quickly confirm proper operation.

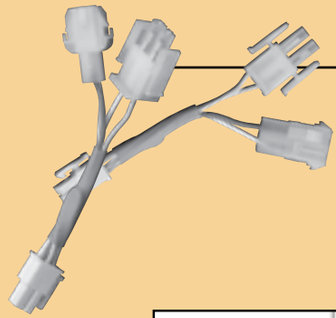
•Easily and quickly installs on any residential or commercial boiler.

- Green power-on indicating LED
- Red low water indicating LED
- Automatic reset feature resumes operation after a power outage when water is on probe
- 15,000 ohms probe sensitivity
- Maximum ambient temperature 120°F (49°C)
- Maximum water temperature 250°F (121°C)
- Maximum water pressure 160 psi (11.2 kg/cm2)

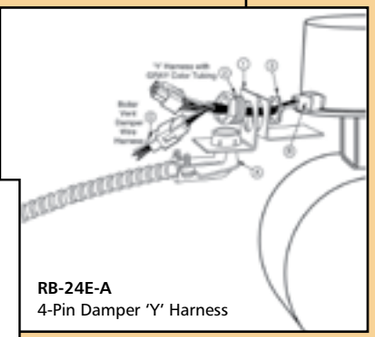
RB-24E Wire Harnesses make installation easier than ever before.

In addition to our standard RB-24E with a universal wiring harness, McDonnell & Miller offers three other models that are designed for "plug & play" installation with most gas boilers. The -A, -S and -L models install quickly and easily without modification to the boiler OEM wiring.

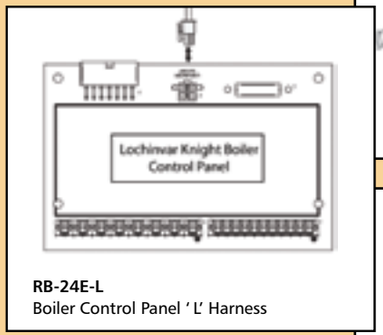




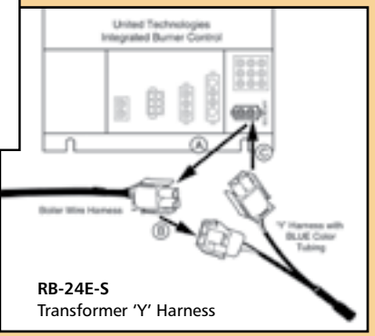
Wiring Diagrams



RB-24E-A
4-Pin Damper 'Y' Harness



RB-24E-L
Boiler Control Panel 'L' Harness



RB-24E-S
Transformer 'Y' Harness