# McDonnell & Miller GuardDog® RB-24E Low Water Cut-Off



Minimizes scale build-up and extends recommended cleaning interval

**Probe** 

to 5 years.

**Brass Threads** 

Metal-to-metal seal ensures a leak-free installation.

**Wrench Flats** 

Easily and quickly installs in any hydronic system.

Plug & Play Installation

Universal wiring harness fits any gas boiler. "Plug & Play" harnesses available for most residential boilers. **Push-to-Test Button** 

Enables low water cut-off protection to be verified without draining any part of the system.



### **RB-24E Low Water Cut-Off**

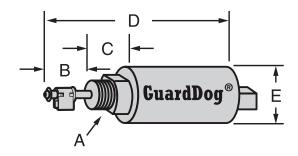
#### **Electrical Ratings**

Voltage Power	Consumption	Load Switching
24 VAC	2.5 VA	2 A at 24 VAC

Note: A 15mA minimum current draw is required.

#### Dimensions, in. (mm)

A NPT	В	C	D	E
3/4	1 <sup>3</sup> / <sub>16</sub> (30.2)	1 <sup>3</sup> / <sub>16</sub> (30.2)	5 3/4 (146)	1 <sup>7</sup> / <sub>8</sub> (47.6)

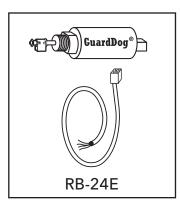


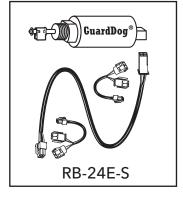
#### Ordering Information

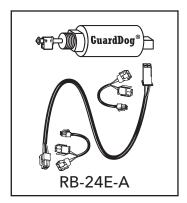
Model Number	Part Number	Description
RB-24E	144692	Residential LWCO
RB-24E-A	144694	Residential LWCO w/vent damper harness
RB-24E-S	144693	Residential LWCO w/control board harness
RB-24E-L	144690	Residential LWCO w/burner control harness
RB-24E-B	144696	Residential LWCO w/burner control harness
UWH-RB-24A	144681	Replacement cable for RB-24E-A
UHW-RB-24S	144682	Replacement cable for RB-24E-S
UHW-RB-24L	144691	Replacement cable for RB-24E-L
UHW-RB-24B	144695	Replacement cable for RB-24E-B

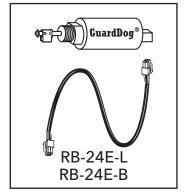
## **Boiler Controls**

- Brass threads enable a secure and trouble-free installation
- Test button to quickly confirm proper operation
- Universal wiring harness fits 100% of today's gas boilers
- -S, -A , -L and -B models provide "plug & play" installation with most residential boilers
- Compact size
- Easy to install and wire
- Automatic reset feature resumes operations after a power outage when water is on probe
- Green LED indicating power on
- Red LED indicating low water condition
- Solid state operation
- 15,000 ohms probe sensitivity
- Maximum ambient temperature 120°F (49°C)
- Maximum water temperature 250°F (121°C)
- Maximum water pressure of 160 psi (11 kg/cm³)











Xylem Inc. 8200 N. Austin Avenue Morton Grove, Illinois 60053 Phone: (847) 966-3700 Fax: (847) 965-8379 www.mcdonnellmiller.com