

# GUARDIAN™ ULTRAVIOLET MONITOR

**GUARDIAN™ Ultraviolet Monitors are available in Analog, Analog Remote, Digital and Digital Remote.**



**Voltage Configurations include 120V/50 or 60Hz, 220-240V/50 or 60 Hz, or 12VDC, contact factory for special requirements.**

**GUARDIAN™ Ultraviolet Monitor** visually indicates the level of germicidal ultraviolet energy that penetrates the quartz sleeve and the water within the disinfection chamber. The Guardian Ultraviolet Monitor is capable of operating an optional Audio Alarm and Solenoid Valve. In addition, the **GUARDIAN™ Ultraviolet Monitor** will detect loss of ultraviolet due to lamp outage, component or power failure. Use of the Ultraviolet Monitor is recommended by the US Public Health Service "Criteria for the Acceptability of an Ultraviolet Disinfection Unit".

The **GUARDIAN™ Ultraviolet Monitor** will detect reduction of ultraviolet levels due to:

1. Fouling or deposits on quartz sleeve.
2. Poor ultraviolet transmission through the water. (Color, Turbidity, organic or other impurities in the water can reduce or interfere with the transmission of ultraviolet rays.)
3. Depreciation of lamp output due to usage or other cause. (Lamp output gradually depreciates with use - lamp replacement is recommended once each year.)

The **GUARDIAN™ Ultraviolet Monitor** has four models; Analog, Analog Remote, Digital and Digital Remote. Voltage Configurations include 120V / 50 or 60Hz, 220-240V / 50 or 60 Hz, or 12VDC. Contact factory for special requirements. **NOTE: GUARDIAN™ Ultraviolet Monitor** (analog, digital or remote type) can be purchased and installed with the water purifier or at a later date for an existing installation.

The **GUARDIAN™ Ultraviolet Analog and Digital Monitors** are mounted directly on to the water purifier. The sensor probe is threaded into the sight port fitting of the ultraviolet water purifier. The aluminum collar on the bottom of the **GUARDIAN™ Ultraviolet Analog or Digital Monitor** is secured over the sensor probe.

The **GUARDIAN™ Ultraviolet Analog Remote and Digital Remote Monitors** are intended for use in a location away from the water purifier that is being monitored. In all other respects, the remote **GUARDIAN™** behaves the same as the standard **GUARDIAN™**. Mounted on the back of the remote monitor is a socket into which the lead from an ultraviolet sensor is connected. Instead of being mounted inside the monitor housing, this sensor is contained within a sturdy, waterproof stainless steel barrel which becomes the remote probe. A standard length for the connecting cable supplied with the probe is 50 ft., but the lead length may be extended if desired. Please contact the factory for additional lengths.

WATER PURIFIER	VOLTAGE	MODEL#	DESCRIPTION	MODEL#	DESCRIPTION	MODEL#	DESCRIPTION	MODEL#	DESCRIPTION
MP13B - S50B	120V 50/60 Hz	30-0031:	Analog	30-0068:	Analog Remote	30-0112:	Digital	30-0116:	Digital Remote
MP13B - S50B	220-240V 50/60 Hz	30-0032:	Analog	30-0069:	Analog Remote	30-0114:	Digital	30-0118:	Digital Remote
S2400B & S2400C	120V 50/60 Hz	30-0033:	Analog	30-0065:	Analog Remote	30-0113:	Digital	30-0117:	Digital Remote
S2400B & S2400C	220-240V 50/60 Hz	30-0034:	Analog	30-0066:	Analog Remote	30-0115:	Digital	30-0119:	Digital Remote
MP13B - S50B	12 VDC	30-0030:	Analog	30-0067:	Analog Remote	-	-	-	-

30-0100 - 50' extension kit for Guardian Monitor probe is available - Contact factory for pricing.

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## INSTALLATION & OPERATION



**Analog**



**Analog Remote**



**Digital**



**Digital Remote**

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CORPORATION

Owner's Manual