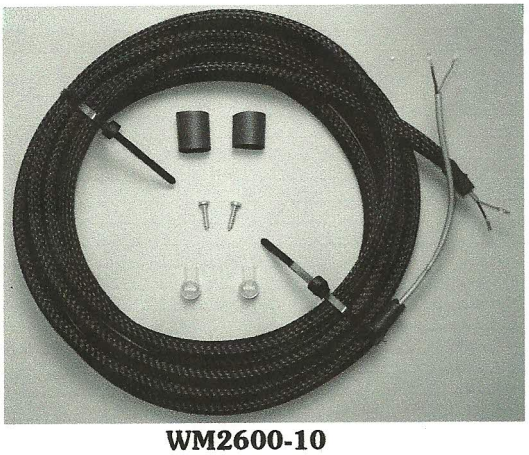
WATER MOCCASIN SENSOR STRIP WITH RELAY CONTACT

- 2600 Water Sensor Built Into A 10 Foot Mesh Water Strip Sensor For Perimeter Or Large Area Flood Detecting
- Ideal For Basement Floors/Walls, Computer Server Rooms, Water Pipes, Attics Or Anywhere Water Damage Could Occur
- Automatic Reset
- 12 VDC Closed Loop
- Up To Five 10 Foot Extension Probes With The WM10-P



WM2600-10

Undetected water damage, such as that caused by leaking pipes or corroded water heaters, cost homeowners tens of thousands of dollars each year. Such repairs are time consuming and costly to correct. Applications could include computer room sub-floor areas, telephone equipment rooms, bathrooms, laundry rooms, any areas adjacent to a water storage tank or piping. Also evaporative air conditioners, drip pans, overflows and/or drains.

Using no mechanical parts, the GRI Water Sensors are triggered by a moisture bridge across the sensor contacts.

The 2600 Closed Loop Sensors use an external power source to energize a built-in relay contact so battery power is not recommended. Used in a closed loop configuration, an alarm condition will occur when moisture is detected, or if power to the sensor is lost, and if the sensor should fail. The relay output can be wired directly to any alarm panel or can be used to actuate an external device, i.e. transmitter, annunciator, etc.

The WM10-P is a ten foot extension probe which can be wired to the WM2600-10 or used with the GRI 2600T, 2500T or 2826FS for wireless detection.

Part Numbers:	**Configuration**
WM2600-10	Normally closed for a closed loop circuit 12 Volts DC
WM10-P	10ft. extension probe series connected

WARRANTY:
One year warranty against workmanship, material and factory defects.

GEORGE RISK INDUSTRIES, INC.
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INSTALLATION NOTES: WM2600-10

For installation to an alarm panel, the Red wire is connected to the auxiliary 12 volt supply and the Black wire is connected to negative. The Green and White wires can then be connected to any pre-selected Closed Loop terminal. A resistor can be connected in series with either the Green or White wire for those panels that require end-of-line resistance.

For area flood detecting, this sensor can be installed by securing the supplied cable ties to the mesh stripping then mount the cable tie to floor or wall base board at the area to be monitored using the supplied screws.

For water pipe leak detecting, the sensor can be installed by securing the mesh stripping to the water pipe with either the supplied cable tie or water proof tape. For horizontal installed pipe the mesh should be secured along the bottom of the pipe, and for vertical piping the mesh should spiral around the pipe.

SPECIFICATIONS:

Power Requirements:		Contact Characteristics:		Temperatures:	
Operating Voltage	12 Volts DC	Contact Resistance	100mΩ	Operating temperature	-40°C to +75°C
Operating Current	10 mA	Switching Voltage	200 Volts DC Max	Storage Temperature	-40°C to +85°C
Wire Connections:		Switching Current	500 mA Max	Polyester Mesh	+125°C Max
Red	+12 volts DC	Carry Current	1 Amp Max		
Black	-Ground	Power	10 VA Max	**WM10-P Extension Probes**	
Green	Relay Contact			Series Connected	5 Max
White	Relay Contact				

INSTALLATION NOTES: WM10-P

Series connecting the WM10-P to another WM10-P is done by connecting the 2 conductor cable of one probe to the 2 conductor cable of another probe with the provided connectors. Start by slipping the included 5" piece flexible mesh and the two 1/4" pieces of shrink tubing over the end of the first WM10-P. Crimp the cables red wire of the first probe to the red wire of the second probe with one of the provided connectors and then crimp the black wires together with the other connector, crimp tight with pliers to insure good connections. If additional WM10-Ps will be added to the strip follow the above same procedure to the end of the second extension probe. Repeat same procedure for up to 5 extension probes per strip.

Test probe assembly by either connecting the starting cable to a preinstalled working water switch, and wet the farthest end of strip with water and check for proper switch operation. Or test probe assembly with an ohm meter for good continuity between the red wire of one end of strip, to the red wire on the other end. A good connection would read less than one ohm. Repeat continuity test on black wires then check for an open circuit between the red and black wires. After testing, slide each 5" piece flexible mesh over installed connectors, overlap ends of flexible mesh and secure by heating the two 1/4" pieces of shrink tubing at both ends.

Connecting the WM10-P to a GRI Water Switch:

WM2600-10 Water Switch

To connect the WM10 -P to a WM2600-10 follow the same procedure above for connecting WM10-P to another WM10-P.

2600T and 2500T Water Switch

To connect the WM10-P to either a 2600T or 2500T connect probe cable end to water switch terminal screws, Red wire to one terminal and the black wire to the other terminal, polarity does not matter.

2826FS Water Switch

To connect the WM10-P to 2826FS, connect probe cable end to water switch terminal block. Red wire to terminal block pin 1 and the black wire to terminal block pin 2.

* All water switches should be installed per manufacture instructions and should be annually tested with water from farthest end of extension probes. If there is any corrosion or damage the sensors should be replaced.

WM10-P SPECIFICATIONS

Wire:	2 Conductor 22 ga PVC Jacket	**Mesh Material**	Polyester
Temperatures:	-70°C Min to +125°C Max	**Length**	10Ft

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