

# Irrigander<sup>®</sup> Controller Adapter

Installation & User Guide  
Model WMA V1.0



# Irrigander® Controller Adapter

## Introduction

Modern irrigation controllers can detect a shorted solenoid and bypass the affected zone. The Weathermatic Smartline® controller also detects an open solenoid circuit. Since the **Irrigander** irrigation expanders only sense the voltage on the irrigation controller output, the Weathermatic Smartline interprets the **Irrigander** irrigation expander connection as an open circuit and skips the irrigation expander controlled zones. The **Irrigander Controller Adapter** presents enough of a load to the Weathermatic Smartline controller to allow the **Irrigander** irrigation expander to operate correctly without affecting normal controller operation. See Figure 1 for an **Irrigander Controller Adapter** typical installation.



Figure 1 – Typical Installation

# Irrigander® Controller Adapter

## Installation

1. The **Irrigander Controller Adapter** can be installed inside or outside the irrigation controller housing.
2. Connect the White wire from the **Irrigander Controller Adapter** to the common connection inside the irrigation controller. Note that the Weathermatic easy-insert connections will only accommodate 2 wires. For more than 2 connections to the common connection, connect a short piece of wire to the common connection and then connect the other common connections to the wire using a wire nut.
3. Connect each of the colored wires on the **Irrigander Controller Adapter** to the irrigation controller outputs that are connected to the **Irrigander** irrigation expander inputs. Any color wire can be used for any output. Make sure that both wires are secure by gently pulling on each wire. Insulate or trim unused wires.
4. Set the Weathermatic Smartline controller to “Advanced Functions” and press the “Next” key until the zone number connected to the first zone controlled by the **Irrigander** irrigation expander is displayed. The current reading should be more than 30 ma. Test each of the remaining zones by pressing the “Next” key.

## Physical Dimensions

	Width	Height	Depth
Controller Adapter	1.78”	1.08”	0.78”

## Environmental Specifications

Operating: 0°C to +50°C (+32°F to +122°F)

Non-Operating: -40°C to +70°C (-40°F to +158°F)

# Irrigander® Controller Adapter

## Limited Warranty

DUWA PRODUCTS LLC, hereinafter referred to as the manufacturer, warrants the **Irrigander Controller Adapter** to be free from defects in workmanship and materials for 1 (one) year from the date of sale. In order for this warranty to apply the **Irrigander Controller Adapter** must be installed and used according to the installation instructions herein and cannot be altered in any way. This warranty covers damage from electrical surge (including lightning) providing that the **Irrigander Controller Adapter** is installed with a suitable earth ground as described herein. The use of the **Irrigander Controller Adapter** for any purpose for which it was not intended voids this warranty. Purchaser's rights under this warranty shall consist solely of requiring manufacturer to repair, or in manufacturer's sole discretion replace, free of charge, F.O.B. factory, any defective items received at said factory within 1 (one) year and determined by manufacturer to be defective. To exercise your warranty, return the unit to your dealer with a copy of the sales receipt.

This warranty is in lieu of all other warranties, expressed, implied, or statutory as to merchantability, fitness for purpose sold, description, quality, or any other matter and limits the manufacturer's liability for damages to the cost of the product. In no event shall manufacturer be liable for special or consequential damages or for delay in performance of this warranty. This warranty gives the purchaser specific legal rights, and the purchaser may have other rights, which vary from state to state.

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