



## DIG SKIT 8821-4 Leit Compatible Sensors Instruction Manual

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### SKIT 8821-4 Installation Manual

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## INTRODUCTION

The SKIT switch-type, weatherproof sensor adapter provides a quick, reliable way to connect compatible rain, freeze, moisture, or other normally closed switch-type sensors. The connection can be made either directly to the LEIT series irrigation controllers or to one of the micropowered solenoid actuators.

#### FEATURES:

- Waterproof construction
- Easy to install
- Adapts to a wide range of sensors

## SPECIFICATIONS:

- Compatible with normally closed switch-type sensors only
- Includes four 12-inch 14-gauge wire leads
- Length: approx 1.25" (3.1 cm); Diameter: approx 0.75" (1.9 cm)

## INSTALLATION

Normally closed switch-type sensors (such as rain, moisture, or freeze sensors) can be installed on a LEIT Controller if there is an unused station available. If a spare station does not exist, a sensor can be installed at one of the valve locations by connecting a SKIT 8821-4 to any LEMA actuator. For either type of installation, a SKIT 8821-4 is required to connect a sensor to the system.

### SENSOR CONNECTION TO UNUSED STATION

If there is an unused station on the LEIT controller, connect the sensor directly to it using a SKIT 8821-4.

**PROCEDURE:** Run a red (hot) wire from the unused station connector position on the LEIT controller to the red (hot) wire on the SKIT 8821-4. Then run a white (common) wire from the common connector station position on the LEIT controller to the white (common) wire on the SKIT. Finally, splice the two SKIT black wires into the sensor's two normally closed (N/C) wires.

### SENSOR CONNECTION IF STATION IS NOT AVAILABLE

If the station is unavailable, or the controller is too far from the sensor, connect the SKIT 8821-4 to LEMA actuators at a valve closest to the desired sensor location. This method can be used to minimize excessive wire runs.

**PROCEDURE:**

Choose a valve that is closest to the sensor location. On the installed LEMA series actuator, splice the red (hot) wire to the SKIT's red (hot) wire AND to the red (hot) field wire creating a 3-wire connection. Next, splice the LEMA's white (common) wire to the SKIT's white (common) and connect both onto the common field wire. Again, a 3-wire connection should have been created. Finally, splice the two SKIT black wires into the sensor's two normally closed (N/C) wires.

**NOTE:** For use with LEIT 4000, X, and XRC controllers only. Do not use LEIT-2 or LEIT-2ET systems.



## LEIT COMPATIBLE SENSORS

**RAIN SENSORS:**

HUNTER MINI CLIK RAIN BIRD RSD

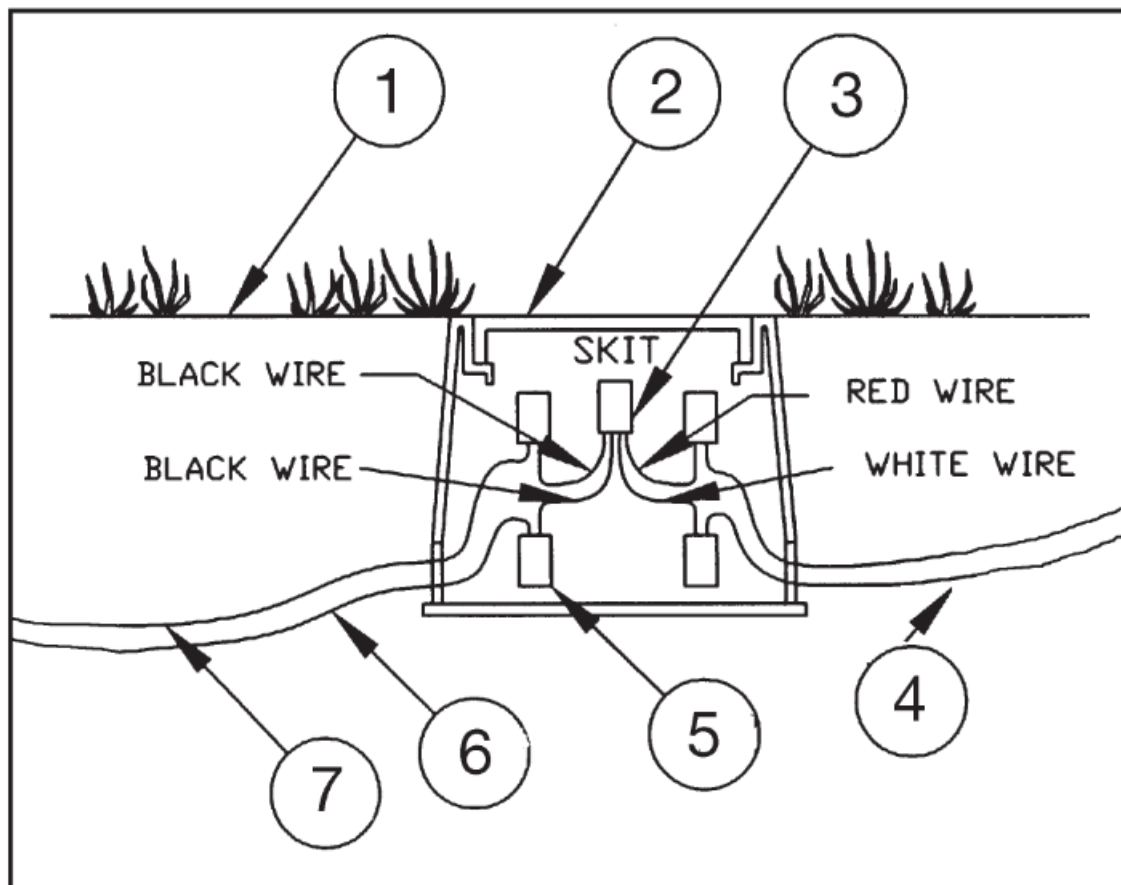
**MOISTURE SENSOR:**

IRROMETER WEM-B

**FREEZE SENSOR:**

HUNTER FREEZE CLICK

**RAIN/FREEZE COMBO SENSOR:**



**LEGEND:**

1. Finish grade
2. 6" round valve box
3. SKIT adapter, part number 8821-4, used with each sensor
4. To controller or valve
5. (4) Dry splice waterproof connectors
6. The normally closed wire from the sensor
7. The common wire from the sensor



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Documents / Resources

	<p><a href="#">DIG SKIT 8821-4 Leit Compatible Sensors</a> [pdf] Instruction Manual SKIT 8821-4 Leit Compatible Sensors, SKIT 8821-4, Leit Compatible Sensors</p>
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References

- [DIG Drip Irrigation System - DIG Corporation](#)