



EZ Pro™ Live Quick Start User Guide



EZ Pro™ Live is an internet-based central control system used with EZ Pro™ 8600 Series controllers. It communicates with EZ Pro™ irrigation field controllers using wireless connectivity, and allows management of controller from anywhere in the world via the Internet.

Along with all the advantages of Internet-based access to remote irrigation field controllers, EZ Pro™ Live provides a weather-based irrigation scheduling option. Location-specific weather data (ET) is delivered daily to irrigation controllers which allows the realization of quantifiable water savings and reduced operational costs.

The exciting features of EZ Pro™ Live can be added to all EZ PRO 8600 Series controllers without any changes to the controller other than the addition of a single communication modem board (Also requires a cellular data plan from your local carrier).

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FIGURE 1

1. Master Valve Pump Start Terminal
2. Sensor Input Terminal
3. Remote Link/Stand Alone Switch
4. Status Indicator Lights
5. EZ Pro™ Live Communications Module
6. IMEI # Required for Account Setup

INSTALLATION INSTRUCTIONS

Terminal Strip

All zone, pump and sensor wire connections are made inside the EZ Pro™. The terminal strips on the EZ Pro™ Live Communication Module will accept 14 AWG (1.6mm) wire or smaller.

Connecting Master Valve or Pump-Start Relay

The EZ Pro™ Live Communication Module is equipped with a Master Valve / Pump Start circuit to operate either a pump-start relay or a master valve (**see Figure 1**). This connection must be used when in the remote mode. To enable the Master valve / Pump Start to be used in either the Remote or Local mode install a jumper wire as indicated in **Figure 2**. A properly connected Master Valve or Pump Start relay will have its common wire connected to one of the common terminals on the EZ Pro™ terminal strip and the hot wire connected to the terminal labeled PMP/MV along with the jumper wire connected to the EZ Pro™ Live Communication Module MV terminal. Refer to the pump-start relay manufacturer's instructions for specific installation details.

FIGURE 2



INSTALLATION INSTRUCTIONS

Connecting Rain/Moisture Sensor

The EZ Pro™ Live Communication Module is equipped to operate a sensor with normally-closed leads (**see Figure 1**). To install a sensor, leave the factory-installed jumper wire on the EZ Pro™ terminal strip and insert one sensor wire into the S1 terminal and the other sensor wire into one of the Common terminals on the EZ Pro™ terminal strip as indicated in **Figure 3**. Refer to the sensor manufacturer's instructions for specific installation details. If a sensor has suspended watering, the sensor indicator segment will appear on the LCD. The symbol will go off when the sensor has dried out and will resume operation based on the program.

FIGURE 3



Slide Switch

The EZ Pro™ Live Communication Module is equipped with a 2 position slide switch which will enable you to set the EZ Pro™ to either the Remote or Local mode, see figure 1. When in the Remote mode the EZ Pro™ will only execute commands via EZProLive.com. When in the local mode the EZ Pro™ will operate from its native interface only. If the slide switch is in the Local position the Unit cannot be taken out of the Local mode remotely.

4 LEDs

Four LED outputs are used to indicate status of the device. Current States are defined as follows:

INSTALLATION INSTRUCTIONS

MAIN APPLICATION				
Waiting for Modem powerup/Supercap charging. This will appear as a bar graph (left to right) as the cap voltage increases to the setpoint.	ON/OFF	ON/OFF	ON/OFF	ON/OFF
1 Sec tick	FLASH	N/A	N/A	N/A
Command Mode. No forwarding of data between the modem and peripheral port in this mode.	FLASH	FLASH	OFF	OFF
Passthru Mode. Data is passed between Modem and peripheral port, microcontroller does not manage modem state.	FLASH	FLASH	ON	OFF
Waiting for Modem DSR	FLASH	OFF	ON	ON
Waiting for Modem GSM + GPRS Network Registration	FLASH	OFF	ON	OFF
Setting Network Time	ON	ON	OFF	OFF
Waiting for TCP Connection	FLASH	OFF	OFF	OFF
Modem registered and in Data Mode	FLASH	ON	OFF	OFF
System ON	FLASH	ON	OFF	OFF
System OFF	FLASH	ON	OFF	ON
Remote Bypass	FLASH	ON	ON	OFF
Station Active	FLASH	ON	ON	ON

REGISTRATION INSTRUCTIONS

1. Be sure your EZ Pro™ Live is powered on. The unit is connected and ready when the four LEDs are flashing on, off and off.
2. Point your favorite browser to <http://www.EZprolive.com>
 - Requirements
 - Best viewed at 1024 x 768 or higher on IE 8 (Java Script enabled)
 - Internet Explorer 7 or 8 or latest Mozilla Firefox (Java Script enabled)
 - latest Adobe Flash Player
3. Register as a NEW CUSTOMER. When prompted to register your unit, use the IMEI # located on the front of the communication module. (See Fig. 1 on Page 3)
4. Be sure to have a valid e-mail address and a credit card ready. Follow the step-by-step prompts. If you purchased your subscription plan through your local distributor, please call 1-866-4SIGNATURE and have your IMEI # ready for activation. (See Fig. 1 on Page 3)
5. Once registered, go to EZprolive.com and click on the controller setup and follow the step-by-step prompts.

SIGNATURE CONTROL SYSTEMS, INC LIMITED WARRANTY AND DISCLAIMER: TURF PRODUCTS

- 1) Signature Control Systems, Inc. ("SCS") warrants to the owner (the "Buyer") that all new products, as featured in the current Signature Turf Catalog at date of purchase will be free from original defects in materials and workmanship for the time periods described below, provided they are used for approved purposes under manufacturer's recommended specifications.
- 2) This warranty is given expressly and in place of all other expressed or implied warranties of merchantability and fitness for a particular purpose. This is the only warranty made by Signature Control Systems, Inc for Turf products. This warranty gives you specific legal rights and you may have other rights which vary from state to state.
- 3) During the warranty period, SCS will repair or replace, at SCS's sole discretion, any part to be found defective with prior written authorization. Buyers remedy is limited solely to the replacement or repair of the defective parts.
- 4) This warranty does not apply (i) to Acts of God including without limitation, lightning and flooding; or (ii) to products not manufactured by SCS when used in conjunction with SCS products; or (iii) where equipment is used, or installation is performed in any manner contrary to SCS's specifications and instructions, nor where equipment is altered or modified.
- 5) **Signature Control Systems, Inc. reserves the right to redesign, alter or modify its products at anytime and does not, and will not, assume any liability with respect to obsolete inventory arising there from.**
- 6) Neither SCS or its affiliates are liable for any indirect, incidental or consequential damages in connection with the use of equipment, including but not limited to: vegetation loss, the cost of substitute equipment or services required during periods of malfunction or resulting non-use, property damage or personal injury resulting from installer's actions, whether negligent or otherwise.
- 7) No agent or representative of SCS, nor of any distributor, retailer, lessor or installer of the system, has any express or implied authority to make any representation, promise, guarantee or warranty not stated here. SCS disclaims any warranty of merchantability or fitness for a particular purpose, or any other warranties that extend beyond those described here.
- 8) Some states do not allow the exclusion of incidental or consequential damages, so the above exclusion may not apply to you. All implied warranties, including those of merchantability and fitness for use, are limited to the duration of this express warranty.
- 9) Some states do not allow limitations on how long an implied warranty lasts, so the above limitation may not apply to you.
- 10) **STANDARD PRODUCTS LIMITED 1-YEAR WARRANTY:** All SCS products are covered by this warranty for a period of one year from the date of supply except as noted below:
 - a) **Signature Turf Gear Drive Rotors, Spray-Heads & Valves:** Five (5) years; from original sale date.
 - b) **Signature Turf & Satellite Controllers:** Two (2) years; from original sale date.
 - c) **Repairs & Refurbished Components:** Balance of product warranty or three (3) months, from repair date, whichever occurs first, on materials and labor only.
 - d) **Brass Quick Coupler Valve Bodies:** Five (5) years; from original sale date.
 - e) **Solenoid Coils:** One (1) year; from original sale date.
- 11) **TECHNICAL ADVICE:** SCS warranties as hereinabove set forth shall not be enlarged, diminished or affected by, and no obligation or liability shall arise or grow out of, SCS rendering of technical advice or service in connection with Buyer's order or the products furnished.
- 12) **QUESTIONS:** If you have any questions concerning the warranty or its application, please email your question to info@scsmail.com or write to:
Signature Control Systems, Inc
Turf Division
8800 N. Allen Rd.
Peoria, Illinois 61615
U.S.A.
Attention: Customer Service.
- 13) **CLAIMED DEFECTIVE MERCHANDISE POLICY.** Products returned to the retailer or distributor and claimed defective must be inspected by an authorized SCS representative to determine warranty compliance. If approval is granted, products will be repaired or replaced, or a credit memorandum covering the net purchase price will be issued.
- 14) **In the event of a defect:** If a defect arises in a Signature product or part within the warranty period, you should contact your Signature retailer, distributor, or Signature Control Systems, Inc. at www.signaturecontrolsyste.ms.com or one of the following locations:

WORLD HEADQUARTERS

Signature Control Systems, Inc.
18 Goodyear #110
Irvine • California • 92618 • USA
USA Toll Free: 866-4SIGNATURE
Tel: 949.580.3640
Fax: 949.580.3645

TURF DIVISION

Signature Control Systems, Inc.
8800 N. Allen Rd.
Peoria • Illinois • 61615 • USA
USA Toll Free: 888.635.7668
Tel: 309.691.1999
Fax: 309.692.9152

EUROPE, MIDDLE EAST AND AFRICA

SCS Europe (Paris)
5 rue de la Vallée Yart
78640 Saint Germain de la Grange
France
Tel: +33.13.489.9056
Fax: +33.13.489.6025

- 15) **SERVICE TIME-LINE:** Signature may, at its option, require that product or part be returned to a Signature service point or your retailer or distributor. Signature will determine whether the claimed defect is covered by the warranty. If covered, the product will be repaired or replaced. Please allow 4 to 6 weeks for completion of repairs or replacement and return of the product or part. If a product or part is replaced, the replacement is warranted only for the remainder of the original product or part warranty period.

DECLARATION OF CONFORMITY

Application of Council Directives: 1999/5/EC

Manufacturer's Name: Signature Control Systems, INC

Manufacturer's Address: 8800 N Allen Rd

Peoria, IL 61615 USA

European Representative Name: Michel Arbadji

European Representative Address: Signature Control Systems Inc
5 Rue Zone De La Vallee Yart
78640 St Germain De La Grange
France

Type of Equipment: Electronic Irrigation Controller

Model No.(s): EZ Pro Live

Manufacturing Start Date: March 2011

Standards met: EN 301 489-1:V1.8.1:2008 referencing

EN 301 489-7:V1.3.1:2005

RSE 3GPP TS 51.010-1 Test Cases 12.2.x

Manufacturer: Signature Control Systems, Inc

Manufacturer Representative: Aaron M. Coakley

Position: Electronics Project Engineer

Date: 2-March-2011

FCC RULES

Listings and approvals

- FCC Part 15B and CISPR 22
- Contains Module FCC ID: MIVGSM0308
- Industry Canada ID: 4160A-GSM0308
- PTCRB Certified

FCC Information

This device complies with Part 15 of the FCC Rules. Operation is subject to the following two conditions:

- (1) This device may not cause harmful interference, and
- (2) this device must accept any interference received, including interference that may cause undesired operation.

Changes or modifications made by the user and not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

NOTE: This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to part 15 of the FCC Rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and, if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try to correct the interference by one or more of the following measures:

- Reorient or relocate the receiving antenna.
- Increase the separation between the equipment and receiver.
- Connect the equipment into an outlet on a circuit different from that to which the receiver is connected.
- Consult the dealer or an experienced radio/TV technician for help.