ET1 QUICK REFERENCE GUIDE

STATION UP / STATION DOWN
keys used to select a station

LCD Display

IRRIGATE ON / OFF key
turns off scheduled irrigation

Connection for Calsense
Remote Control

HELP key, used to access
a built-in user's manual

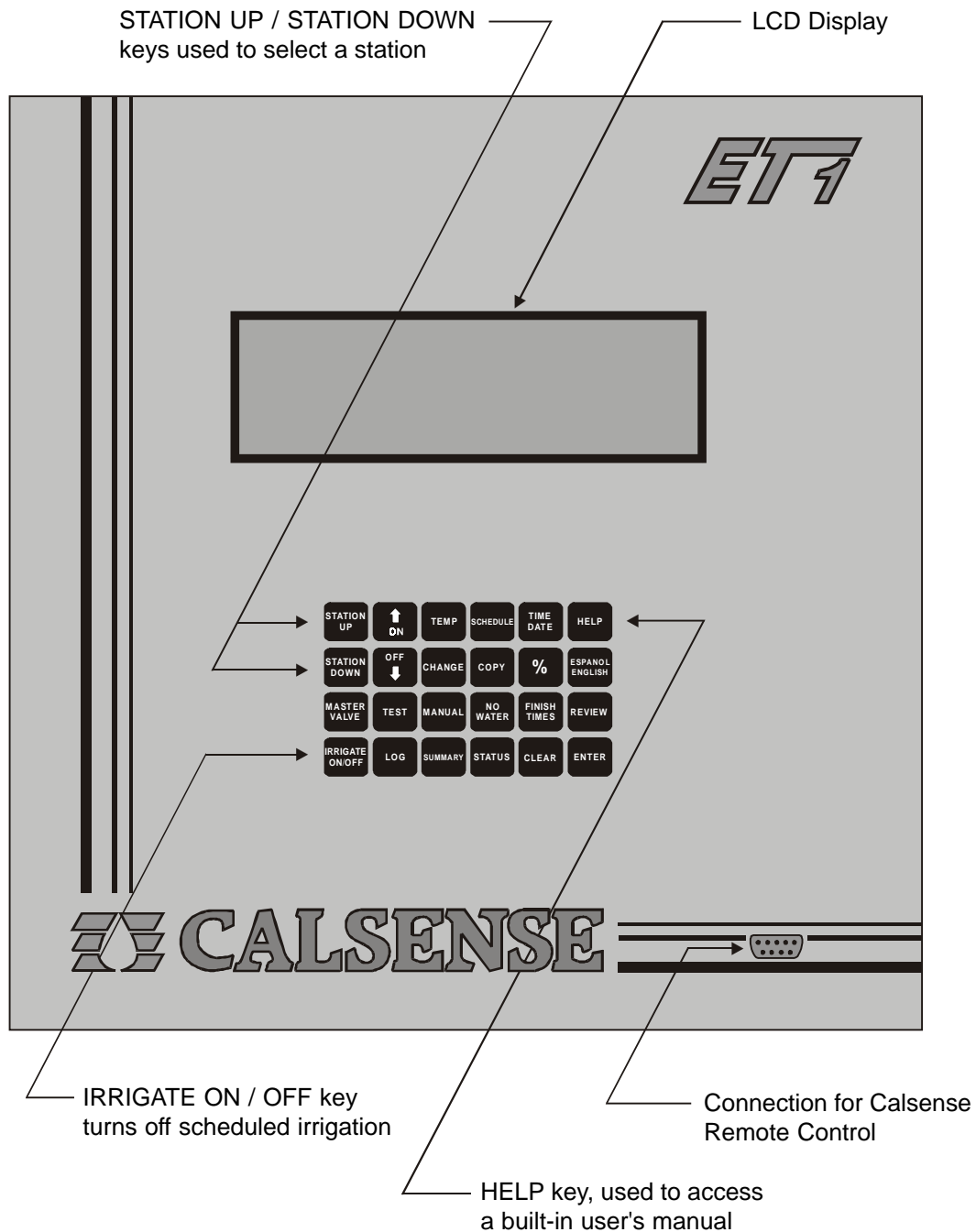## CALSENSE®

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SET START TIME AND WATER DAYS

Press **SCHEDULE**, the Schedule Screen will appear as shown below. The current program is displayed in the upper left corner of the screen.

```
┌─────────────────────────────────────────────────────┐
│ PROG  A                    START  TIME  is    OFF     │
│                                                       │
│              SU    MO   [TU]   WE    TH    FR    SA    │
│    WEEK  1   ----  ----  ----  ----  ----  ----  ----  │
│                                                       │
│                         ( push  HELP  for  key  usage )│
└─────────────────────────────────────────────────────┘
```

NOTE : To change any setting, it must first be highlighted, as shown above.

Press the **CHANGE** Key to highlight a water day. Press **CHANGE** again to move the highlight. Press the **UP ARROW** to turn a water day on. Press the **DOWN ARROW** to turn a water day off. Press **CHANGE** until the start time in the upper right corner of the screen is highlighted. Press **UP ARROW** or **DOWN ARROW** to set start time. Hold down the key to scroll quickly through start times. To set a schedule for another program, Press **SCHEDULE** until the desired program is displayed in the upper left corner of the screen. Press **ENTER** to save changes. Press **ENTER** once more to return to Main Screen. In the example below, Program A has been set for an 11:30 PM start time, and will irrigate on Monday, Wednesday, and Friday.

```
┌─────────────────────────────────────────────────────┐
│ PROG  A                    START  TIME  is   11:30 PM │
│                                                       │
│              SU    MO   TU    WE    TH    FR    SA     │
│    WEEK  1   ----  on   ----  on    ----  on    ----   │
│                                                       │
│                         ( push  HELP  for  key  usage )│
└─────────────────────────────────────────────────────┘
```

SET STATION RUN TIMES

After a start time and the water days have been set for a program at the Schedule Screen, the Main Screen will appear as shown below.

```
┌─────────────────────────────────────────────────────┐
│ STN  01                                      PROG  A  │
│                                                       │
│    Total  Minutes  :      0.0                         │
│    Mins  Per  Cycle :      4                          │
│      Soak-in-Time  :       5                          │
│                                                       │
└─────────────────────────────────────────────────────┘
```

On the Main Screen, shown above, there are three settings which concern station run times, these allow the user to setup multiple irrigation cycle starts. The settings are :

Total Minutes :	The total number of minutes a station will irrigate during one water day.
Mins per Cycle :	The number of minutes a station will irrigate during each cycle.
Soak-in Time :	The number of minutes between each cycle start (if there is only one cycle start, this setting is ignored by the controller).

All settings are made in the same manner by using the following procedure :

Press **STATION UP** or **STATION DOWN** until the desired station is shown in the upper left corner of the screen. Press **CHANGE** to highlight the item to be changed. Press **CHANGE** again to move the highlight to another item. Press the **UP ARROW** or **DOWN ARROW** until the desired number of minutes are set. To scroll quickly through minute settings, Press and hold down either key. Press **ENTER** after all changes have been made. Press **ENTER** once more to return to Main Screen.

```
┌─────────────────────────────────────────────────────┐
│   SEE THE FOLLOWING PAGE FOR EXAMPLES OF HOW TO SET THE ET1 FOR MULTIPLE RUN TIMES. │
└─────────────────────────────────────────────────────┘
```

Examples of Multiple Run Times :

```
┌─────────────────────────────────────────────┐
│ STN  01                            PROG  A   │
│                                              │
│     Total  Minutes  :       8.0              │
│   Mins  Per  Cycle  :         4              │
│      Soak-in-Time   :       120              │
│                                              │
│                                              │
└─────────────────────────────────────────────┘
```

In this example, station 1 will irrigate 4 minutes, after 120 minutes (2 hours) it will irrigate another 4 minutes, for a total irrigation time of 8 minutes. The initial start time is set at the Schedule Screen as described previously.

```
┌─────────────────────────────────────────────┐
│ STN  02                            PROG  A   │
│                                              │
│     Total  Minutes  :      15.0              │
│   Mins  Per  Cycle  :         5              │
│      Soak-in-Time   :       240              │
│                                              │
│                                              │
└─────────────────────────────────────────────┘
```

In this example, station 2 will have three 5 minute run times, with 240 minutes (4 hours.) between each run time. The initial start time is set at the Schedule Screen as described previously.

Example of a Single Run Time :

```
┌─────────────────────────────────────────────┐
│ STN  03                            PROG  A   │
│                                              │
│     Total  Minutes  :      30.0              │
│   Mins  Per  Cycle  :        30              │
│      Soak-in-Time   :         5              │
│                                              │
│                                              │
└─────────────────────────────────────────────┘
```

In this example station 3 will irrigate one time for 30 minutes. It's start time is set at the Schedule Screen as described previously.

NOTE : Whenever the "Mins per Cycle" setting is equal to or more than the "Total Minutes" setting, the "Soak-in Time" is ignored by the controller and the station will have one run time.

SET DATE AND TIME

Press **TIME DATE** , the Time Date screen will appear as shown below.

```
┌─────────────────────────────────────────────┐
│ CONTROLLER  TIME  &  DATE  IS:               │
│                                              │
│ December   25 2000,     Monday      11:35:25:am │
│                                              │
│                                              │
│                                              │
└─────────────────────────────────────────────┘
```

Press the **CHANGE** Key to highlight the date. Press **CHANGE** once more to highlight the time. Press the **UP ARROW** or **DOWN ARROW** to make changes to the highlighted item, Press and hold down either key to quickly scroll to the desired setting. Press **ENTER** when changes are complete. Press **ENTER** once more to return to the Main Screen.

ACCESS BUILT-IN USER'S MANUAL

The Model ET1 Controller has a Help Key which is used to access a built-in operator's manual. There are two kinds of Help, Key Usage Help and Display Description Help. Use the Up Arrow and Down Arrow Keys to scroll through the provided Help screens.

Key Usage Help :

For help explaining the function of a specific key, for example the Manual Water Key, you must first be at the Main Screen. Press **HELP**. Press **MANUAL**, a help screen describing the Manual Water Key will appear. Press any key to exit the Help Screen.

Display Description Help :

For help explaining a specific display. Press the **HELP** Key while viewing the display you need help with. To view Help for the Main Screen, Press **HELP** twice. Press any key to exit Help.

MISCELLANEOUS KEYS

Irrigate ON/OFF :

The Irrigate On/Off key is used to turn the controller on or off. Press the **IRRIGATE ON/OFF** Key to turn the controller off. The Main Screen will appear as shown below. Press **IRRIGATE ON/OFF** again to turn the controller on.

```
THE  CONTROLLER  HAS  BEEN  TURNED  OFF

    THERE  WILL  BE  NO  IRRIGATION !


TO  OPERATE  AGAIN  PUSH  ON/OFF
```

English / Spanish Key :

The ET1 Controller display can be viewed in English or Spanish. Press the **ESPAÑOL ENGLISH** Key to switch between an English or Spanish display.

This Quick Reference Guide is intended to help new users to set a basic program in a Calsense ET1 Controller. Calsense offers free training as part of the purchase of an ET1 Controller. Call Calsense to arrange for a training appointment.

All warranty on product, including all factory training, will be void if product is used with a flow meter other than the Calsense Model FM Flow Meter.

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