



## IRRIGATION

### PART 1 - PRODUCTS

#### 1.1 SMARTLINK AIRCARD

- A. The SmartLink Aircard shall be model SL-AIRCARD1 as manufactured by Weathermatic Sprinkler Division of Telsco Industries. SL-AIRCARD1 is comprised of the SL-AIRCARD and SL-PLAN1 for 1 year of service. Additional plans are available in 2, 3, 4, 5 and 10 year packages. Optional package to be available with flow monitoring by amending the model to include FLOW as (SL-AIRCARDFLOW-1F). AIRCARDS must be compatible for use with ProLine or SmartLine irrigation controls.
- B. SL-AIRCARD shall be housed in an indoor/outdoor housing. It shall incorporate an L.E.D. visible externally to indicate operating conditions of the SL-AIRCARD. The SL-AIRCARD shall be connected to the SmartLine Control, as manufactured by Weathermatic, through a cable from the SL-AIRCARD terminating in the SmartLine Control with the use of a plug-in RJ11 connector
- C. SL-AIRCARD communications protocol will be cellular (LTE) allowing connection through secure web based servers to smartlinknetwork.com.
- D. SmartLink will not require software to be installed locally on a web-enabled appliance. Connection to SmartLink through the web will be through a web-enabled appliance such as a PC, Smart Phone, Tablet, etc.
- E. SmartLink will not require software to be installed locally on a web-enabled appliance. User access to smartlinknetwork.com has password secured access to the users account.
- F. Security to the account with access to individual sites and controllers is defined by the account administrator.
- G. Each account will have the capability of unlimited users, sites and controllers.
- H. At the controller page of SmartLink, the web user will be able to review, change or establish all programs available in the SmartLine Controller.
- I. User defined names for Sites, Controllers, and individual zones will be available.
- J. System/Controller/zone alerts will be sent to prescribed user by text or e-mail.
- K. SmartLink will be enabled with Global Commands for complete/partial system control.
- L. SmartLink will be enabled with AT-A-Glance Dashboard for easy review of SmartLine Controller parameters and manual watering operations.
- M. SL-AIRCARD shall have a manufacturer's limited warranty of two (2) years. Optional Extended Warranty is to be available.

#### 1.2 WIRING and INSTALLATION

- A. The AIRCARD shall be installed within proximity to the SmartLine controller so as to connect the communication cable to the AIRCARD communication connection at the back of the SmartLine controller.
- B. A stub antenna (supplied with the AIRCARD) must be installed to establish communication.
- C. AIRCARD communication with the SmartLine controller, local cellular provider, and internet must be verified by the LED located on the front of the AIRCARD unit. A solid green LED will indicate verified communication. A blinking red LED indicates an error in communication to each device as indicated by the number of red LED blinks and must be corrected.
- D. The AIRCARD may be mounted within an enclosure or pedestal provided that reliable communication to the cellular network has been verified.

#### 1.3 ELECTRICAL SPECIFICATIONS

- A. The AIRCARD shall have an output Frequency Range of 824.2 to 848.8 MHz (GSM); 1850.2 to 1909.8 MHz (PCS)
- B. The AIRCARD shall have 2G: GMSK type of modulation
- C. The antenna type shall be TAOLASS (TG.22.0111) odbi.
- D. Power supply shall be 115V / 60Hz