OSMAC® G3 SATELLITE

The OSMAC G3 brings a new generation of in-field control for OSMAC systems, including program storage, stand-alone manual operation and diagnostics. The enhanced wireless communication and upgraded hardware design provides greater signal strength and longer field life. As part of a Lynx® Central Control system, the OSMAC G3 will run flow-managed programs to the second, for precise water application, resulting in reduced water and electricity usage. The backward compatible OSMAC G3 is ideal for upgrading or retrofitting existing OSMAC systems. The upgrade kit available for E-OSMAC systems provides added in-field functionality, via the new user friendly interface.

FEATURES & BENEFITS

Reliable Design

Designed for reliability, featuring a limited number of cables and connectors, corrosion-resistant metals, vented circuit board covers, and simple parallel power and signal distribution.

Enhanced Wireless Communication

Equipped with a high-performance receiver with integrated modem, providing industry-leading communication signal integrity, reliability, and signal strength indication. Wireless communication allows easy system expansion.

Run Time Precision

Operates up to 32 stations simultaneously with run times executed to the second for precise water application and irrigation efficiency. Run time in seconds, not minutes, resulting in savings of up to 35% in water and electricity usage.

OSMAC Compatible

Compatible with any narrowband OSMAC system equipped with an OSMAC Base Station or Radio Interface Unit (RIU). Able to retrofit with OSMAC RDR and E-OSMAC satellites.

Information and Control:

- ✔ Received messages are logged with signal strength indication
  - • A useful reference of recent activity and valuable diagnostic detail
- ✔ Stand-alone capabilities enable running scheduled irrigation programs
  - • A convenient backup option and useful during course construction
- ✔ Manual operation capabilities include program start, station multi-manual, and syringe cycles
  - • A trusted point of control on the course
- ✔ Diagnostic information is available in the display menus and through LED lights
  - • Confirmation of normal function and information to guide troubleshooting
- ✔ Capable of remote operation with hand-held radio and Lynx Apps
  - • Flexible control options, on and off the course

SPECIFICATIONS

Operational

Functions under the management of a central computer operating Lynx, or SitePro, Central Control System, or as a stand-alone controller.

Stations: 16 to 64 in 16 station increments

- Up to 32 stations may operate simultaneously
- Station run times received from Lynx® Central are executed to the second, from 1 second to 8 hours and 59 minutes
- Station run times programmed in Local mode are executed to the minute, from 1 minute to 59 minutes
- Any station can be configured as a switch. Switch operation will ignore rain hold and does not activate the pump/master valve circuit

Local Mode Operations

- 12 independent local programs
- 14 day calendar or 1 to 30 day interval scheduling
- Up to 24 start times per program
- Simultaneous station operation defined independently per program
- Program percent adjust from 10 to 250%
- Nonvolatile memory saves program data for up to 10 years without power

Manual Operations

- Multi-Manual station start up to 32 stations
- Program start
- Program syringe

Electrical

- Input power: 120/240 VAC, 50/60 Hz

OSMAC G3:

- 0.10 amps, 220-240 VAC, 50/60 Hz (no load)
- 0.47 amps, 220-240 VAC, 50/60 Hz (max load)

Dimensions

- Plastic Cabinet: 43.2 cm (W) x 40.6 cm (D) x 101.6 cm (H)

Specifying Information—OSMAC G3 Satellites

G4-XXX6RX					
Description	***Configuration***	***Cabinet***	***Output***	***Communication***	***Options***
G4	**XX**	**X**	**6**	**R**	**X**
G4 – OSMAC G3	16 – 16 Stations 32 – 32 Stations 48 – 48 Stations 64 – 64 Stations	P – Plastic Green	6A – 24VAC	R – Narrowband Radio	4 – Large Terminal Blocks, Switches, Gold Surge
Example: When specifying a 48-station, satellite in a green plastic cabinet with large terminal block, switches and Gold surge you would specify: **G4-48P6R4**					

OSMAC G3 Upgrade Kit:

- ✔ Upgrade E-OSMAC satellites with the OSMAC G3 Upgrade Kit
  - • Add a point of operation at the satellite controller for performing manual irrigation or referencing diagnostic information, including communications details through Page History.
  - • Add backup program storage for stand-alone operations when in Local mode.
  - • Upgrade receiver hardware to a high-performance receiver radio for improved reliability and for signal strength indication.

Specifying Information – OSMAC G3 Upgrade Kit

118-2987
Kit Contains
OSMAC G3 Timing Module, Interface Cable and Hardware