



PRODUCT SPECIFICATION

CONTROLLERS

ORBIT CONTROL STAR PLUS CONTROLLER

Expert planning, industry knowledge and innovative engineering have consistently placed Orbit's Star Controller at the top of its class. Designed for use in commercial and residential watering systems.

FEATURES

- Three independent programs - A, B and C
- Station timing in one minute increments for precision time requirements using rotary dial 1 minute to 120 minutes
- Station timing using slide switches 2 minutes to 120 minutes
- Four start times per program
- 7 Day calendar specifies watering by day of week
- Program Odd, Even and Interval (1 to 32 days) day watering on A, B or C programs
- Program "No Watering" by specific day of week, or by daily time period
- Master valve/Pump start programmable by individual station
- 0 minutes to 9 hour programmable delay between stations
- Semi-automatic programmable rain delay from 24-72 hours, 4-99 days
- Seven operation modes: Auto, Manual, Extra, Test, Rain Delay, Water Budgeting, Off

DISPLAY & USER INTERFACE

- Transflective Positive Image LCD
- AM/PM or 24 Hour Clock
- Station run time adjustment available "at a glance"
- Large 12 position programming rotary dial
- Station program indicator "at a glance"
- Rain sensor bypass switch



MODELS	CODE
Orbit 6 station outdoor, built in transformer, power lead	ORBITPLUS6CD
Orbit 9 station outdoor, built in transformer, power lead	ORBITPLUS9CD
Orbit 12 station outdoor, built in transformer, power lead	ORBITPLUS12CD

Note: For use in cold water irrigation systems only, for all other applications please consult HR Products Images are a guide only and may not represent final product

CONTROLLERS_ORBITPLUS_V1.05-20

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ORBIT CONTROL STAR PLUS CONTROLLER

WIRING TERMINAL BLOCK

- Convenient screw less terminals accept 0.5mm - 1.0mm
- Two common terminals
- Pump start terminal
- Rain sensor terminal
- 24vac output terminal
- 24vac input terminal (indoor model only)

BACKUP & PROTECTION

- Built in 10 minute per station default program
- Over current protection program skips fault zone and notifies operator on LCD
- Non volatile memory program backup
- Primary and secondary surge protection
- Automatic self restoring electronic fuse
- Rain protection (outdoor model) ETL Approved, UL standard

ELECTRICAL SPECIFICATION

- Input required: 240vac +/- 10%, 50 Hz models
- Output: 24vac at 0.6 amps
- Valve capacity: one valve plus pump start

TEMPERATURE RANGE

- Minimum: 2° C
- Maximum: 43° C

MECHANICAL SPECIFICATION

OUTDOOR

- Lock mechanism: Keyed latch, two keys provided
- Valve wiring access hole: 33mm with rubber grommet
- Primary power access: 15mm threaded conduit adapter
- Mounting: One tear drop hole, two lower through holes, hardware and template provided

OUTDOOR DIMENSIONS

Height: 165mm

Width: 235mm

Depth: 52mm

Inlet Size: 32mm



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