



MDC-50-200

Two-wire Controllers With Decoders



Specifications

Functional:

- Central unit operates hard-wired decoder system
- Field access : Using FT – 210 field transmitter
- Decoder addresses per system : 50 to 200 in steps of 50 decoder addresses
- Sensors : Possibility to connect 2 sensors directly : a Rain shutoff device and a pump alarm or a flow sensor using SD 210
- Maximum number of RB solenoids activated simultaneously : 10
- Pumps : 1 main and 2 boosters
- Communication Medium : Two – wire path 24 VAC, voltage-regulated signal
- Overload protection : Electronic
- Test : Using line tester LT – 250 / 500 and built – in test
- Manual operation : Individual decoders and schedules
- MDC – 50 – 200 can be easily upgraded to a Rain Bird Stratus™ LT, Stratus™ II, Nimbus™ II or Cirrus™ decoder system using the same wire path and decoders
- LTB built in
- Large LCD
- Plastic indoor wall mount cabinet
- Can be connected directly to a local PC or via optional modem to a remote PC

Installation and Design:

- MDC-50-200 : Indoor wall-mounted unit
- Voltage : Input 240 VAC / 24 VAC. 50 Hz
- Output : square wave / low AC voltage

Programming:

- Schedules : 10 + 1 auxiliary + 1 test schedule
- Auxiliary schedule used for non irrigation applications (fountains, etc...)
- 1 auxiliary and irrigation schedule can run simultaneously
- Irrigation method : Sequential
- Number of steps : 100
- Days : 14 day cycle / or days between (user defined)
- Start times : six per schedule + link function
- Start methods : Day and time start
- Run time per station / decoder : 0 to 999 minutes in 1 minute increments
- Water budget : 1 to 250 percent of scheduled run time in 1 % increments
- Flow watch function (if a sensor decoder is installed on a flow meter)
- Autotest

System Features and Brief Definitions

- Proven two-wire communication offers years of reliable service
- Utilizes FD – 102, FD – 202, FD – 401 and FD – 601 field decoders for satellite-free, buried communication. Offers little risk of vandalism and incidental damage by golfers.
- Water Budget™ function from 0 – 250 % in 1 % increments saves water by adjusting watering times of decoders based on varying weather patterns.
- Step method offers simple sequential programming and added program flexibility.
- Short-circuit detection system cuts power and creates LCD warning message to alert users and reduce damage.

Options:

- FT-210 : Field Transmitter used to manually operate decoders from designated locations on the site.
- Module 50 adds additional 50 decoder address capacity to MDC-50-200.

How to Specify/Order:

MDC-50-200

Two-Wire Controller controls up to 50 decoder addresses, includes software and null modem cable

Module 50

*Upgrade module for additional
50-decoder address capacity*

MDC Modem

*For remote access from a PC
Can be installed directly into the MDC*

Cable with optocoupler

*To be used in case of permanent
connection to PC*

Upgrade pack

*To upgrade existing MDC-50-200 to the new model that can be
connected to a PC. Includes Flashprom, software and cable.*