

Precision irrigation made easy

Site: Bro Hof Slott, Sweden

Irrigation System: Golf Course with MAXI Decoder System
The Robert Trent Jones II designed Stadium course is now the longest in Europe and scheduled to hold the Scandinavian Masters in 2009.



"With the flexibility of Rain Bird's Nimbus™ II control system and the efficiency of the 1,300 rotors installed on the course I can apply exactly the amount of water required on a particular area. The Rain Bird irrigation system will help to ensure Bro Hof achieves the world class status that everyone who's been involved with its development feels it deserves"

Barry Briton, Course Manager

Unequalled performance and reliability

Site: Woburn Golf Club, UK

Irrigation System: Renovation of an existing irrigation system.



"On 3 championship Golf Courses that are tightly tree lined and very undulating it was very important to have a control system that would first of all not be visible and secondly that would provide precise control. Precise control is vitally important to ensure that the Golf Courses are evenly irrigated ensuring maximum playability. The Rain Bird decoder control system provides the precise control and reliability we require, while also being extremely user friendly."

John Clarke, Course Manager

"With kind permission of His Grace the Duke of Bedford and the trustees of The Bedford Estates"

All the benefits of a satellite and decoder system combined

Site: Carya Golf Course, Turkey

Irrigation System: The Thomson, Perrett and Lobb designed golf course in the Antalya region of Turkey has been installed with a Rain Bird satellite decoder control system.



"Installing a satellite decoder system gave us many benefits which included cost savings compared with a pure satellite system. We were able to reduce the size of power cable to the satellites and we only had to take a few cables from the satellites to the decoders installed by the sprinklers. If we want to expand the irrigation system on a particular area of the golf course in the future it will be easy. The satellite decoder system provides us with the best of both worlds, the standalone control of a satellite system and the flexibility of a decoder system all in one."

Oguz Harun Baysal, Course Manager

Carya Golf Club Belek / Antalya

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The Market Leader in Decoders for over 20 years



Rain Bird decoders: The most reliable item of irrigation equipment you can buy

For more than twenty years Rain Bird decoders have been installed in Europe and are recognized by the irrigation industry as the most reliable make of decoder product available.

Rain Bird control systems have evolved, but thousands of them continue to operate via decoders that were installed right at the very beginning and they continue to operate year after year without requiring any maintenance or replacement.

From residential and commercial amenities to sports fields and golf course applications, many sites in Europe benefit from the timeless reliability of Rain Bird's non-computer based original Master II or their more recent successors, the MDC decoder control systems.

A cost effective solution

Site: Equestrian Center of Calas

Irrigation System: Landscape Irrigation with MDC 50-200



"For the Equestrian Center of Calas, the user selected a decoder system because of the high number of valves to be controlled. As a result less wire was used making installation easier and simplifying maintenance. However, to the end user who had been used to working with a regular controller programming the system was just as easy."

M. Corbon

Business Manager, CGME - Contractor of the Calas Horserace

Versatile Control

Site: Arsenal Training Ground, England

Irrigation System: Site Control Decoder System



"It's a great tool for two reasons. One, it takes care of complex watering requirements at the click of a mouse, and I know it will give me what a pitch needs, whether it rains or not. Two, I can change things at a moment's notice, depending on the nature of the playing surface, or more likely, if a coach or player feels it is not quite right! And with that and ten pitches that we are renovating annually, let alone working with limited water supplies, a tool like the Rain Bird SiteControl is as valuable to me as the players are to the Club"

Steve Braddock, Head Groundsman

PROGRAMMING SOLUTIONS

Future-proof systems

Whether the earliest or the latest to be manufactured, all Rain Bird decoders can be used on any of Rain Bird's decoder control systems.

SiteControl
StratusLT
StratusII
NimbusII
or Cirrus



Our decoders demonstrate the driving principle behind Rain Bird's integrated approach to irrigation systems: the solutions you choose today won't be obsolete next year.

PAR+ES-Dec



For markets where satellite control systems have previously been used, Rain Bird now offers satellite decoder systems as an alternative. Satellite decoder systems provide the standalone control of a satellite system combined with the ease of installation and expansion of a decoder system.

Satellite decoder systems

With Rain Bird decoders installed alongside the rotors and then wired back to the satellite by way of one cable path, installation is made much simpler. Expanding the system is also easy, provided there is sufficient capacity on the satellite. Extra decoders can then be connected to the closest existing decoder cable path. Significant savings can be made on the installation and materials, compared with installing a pure satellite system.

The MDC 50-200 is a modular decoder controller made for parks and sports complexes. The 50 station model can be increased to 200 stations by the addition of 50 station modules. Optional: MDC Modem to remote control to PC and Freedom capabilities. Can be easily upgraded to SiteControl decoder central control system.

MDC 50-200



Rain Bird decoders have replaced controllers on centrally controlled irrigation systems for many years. Decoders act as switching stations for digitized commands to sprinkler heads. Underground installation and simple, low-cost wiring make decoders an aesthetically pleasing and economical option for reliable in-field control.

Specifications Drawing of decoder system wiring



SIMPLE, RELIABLE CONTROL

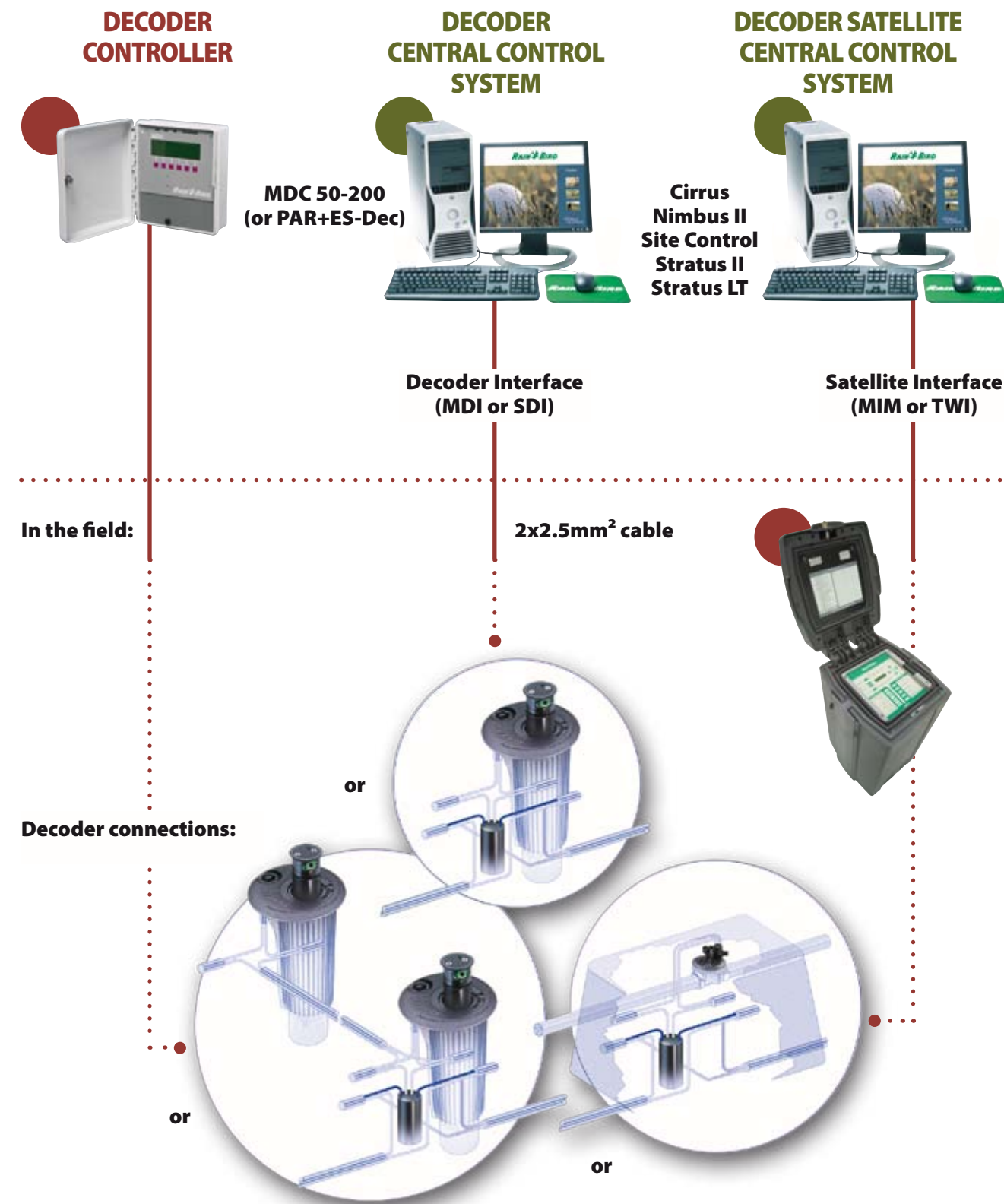
If you're looking for an alternative to a traditional in-field controller, Rain Bird decoders may be the right solution for you. These self-contained switching stations for your central control system are simple, yet very reliable. They work with your central control system just like conventional controllers but are buried underground away from the elements.

A COST-EFFECTIVE ALTERNATIVE

A simple wiring configuration and absence of protective enclosures keeps installation and maintenance costs low. Rain Bird decoders are a "true lower than 30 volt" system that utilize a two-wire path of 2.5mm² wire connecting the central control system, decoders and valves or valve-in-head sprinklers.

PROTECT AGAINST THE ELEMENTS

With all electronic components fully sealed within a water-tight enclosure and buried underground, damage from floods, frost, rodents or vandals is virtually eliminated. Rain Bird decoders are an especially good choice for flood plains and in other areas where the risk of controller damage is high.



AN OUT-OF-SIGHT SOLUTION

Buried decoder systems leave nothing exposed to the elements. With no evidence of in-field control, this aesthetically pleasing alternative works perfectly in situations where controller enclosures are unwanted or impractical.

EXCELLENT FOR RENOVATIONS

All Rain Bird Central Control systems use the same decoders. All systems can be upgraded as your needs change without changing satellites, decoders or field wiring. Any system can be easily expanded. Rain Bird is committed to cross-systems compatibility and reliable upgrade capacity. Do not invest in a system that is destined for obsolescence.



FIELD EQUIPMENT

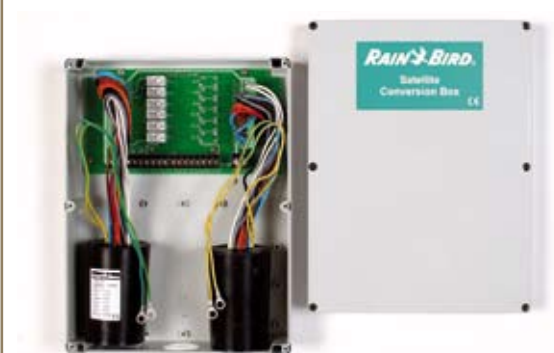
Field Decoders



- Improve aesthetics and reduce costs with buried in-field controls.
- Easy system expansion... simply splice into the communication line and add additional decoders.
- Installation requires up to 80 percent less wire than conventional controller systems.
- Electronic components are completely encapsulated to protect against the elements.
- Simple, two-wire system can be spliced and stored during installation.
- Underground "switch boxes" reduce the chance of damage from animals or vandals.
- Pre-coded addressing eliminates confusion associated with switch-based addressing.
- With the addition of Rain Bird's Decoder Programming Unit (DPU), decoder addresses can be reassigned if necessary.

	FD-101	FD-102	FD-202	FD-401	FD-601
Number of addresses	1	1	2	4	6
Number of coils per address	1	2	2	1	1

SATELLITE TO DECODER CONVERSION



To convert any type of 12-station satellite or controller, (electromechanical, Toro Varitime, stand alone controller, etc...) into a compatible decoder system (Stratus™LT, Stratus™II, Nimbus™II, Cirrus™, SiteControl, MDC-50-200) use a Rain Bird Satellite Conversion Kit.

For more information on this product please contact your Rain Bird sales representative.