

Icod Plus



- Inputs 8, 16, 24, 32, 40, 48 depending on the modules installed (max 1 to 6 modules)
- Max 4 decoders per area or 3 valves per decoder
- Adaptable to all programmers (not to those with open circuit alarm)

Icod Plus, the Irritrol cod-decod system. Made up of a control unit (Icod Plus), that codifies the signals from the controller, retransmit them through two unpolarized wires, and a decoder that decodes the signal transmitted (by the control unit). There are three types of decoders: one for the solenoid valves, one for the main valve and another for the pump control. Thanks to the six keys on the panel and the alphanumerical display, the programming is quick and easy even for not professional installers.



Features

- The decoders are identified by a six-figure code which is read automatically by the control unit
- Activation of the stations in manual mode, without the need for a control unit to give the command
- 4 different types of alarm which identify potential problems, such as open circuit, overload, short-circuit and a generic one
- Possibility to update the software and to modify the operating parameters (delay times between one decoder and another, EV maintenance voltage, alarms, etc.) through an RS232 socket for connection to PC.
- Possibility of changing the impedance to better adapt to the various electrical conditions of the system
- Extractable terminals to facilitate system wiring
- Multilingual system
- Resin-bonded decoder IP68 (up to 50 cm depth)
- PVC container for indoor/outdoor use (IP56), removable cover with 4 screws, for wall-mounting

Specifications

Input power:

- primary 230 VAC, 50/60Hz
- secondary A: 7 VAC, 400 mA

2-wire output power, 46 VDC, max 2 A

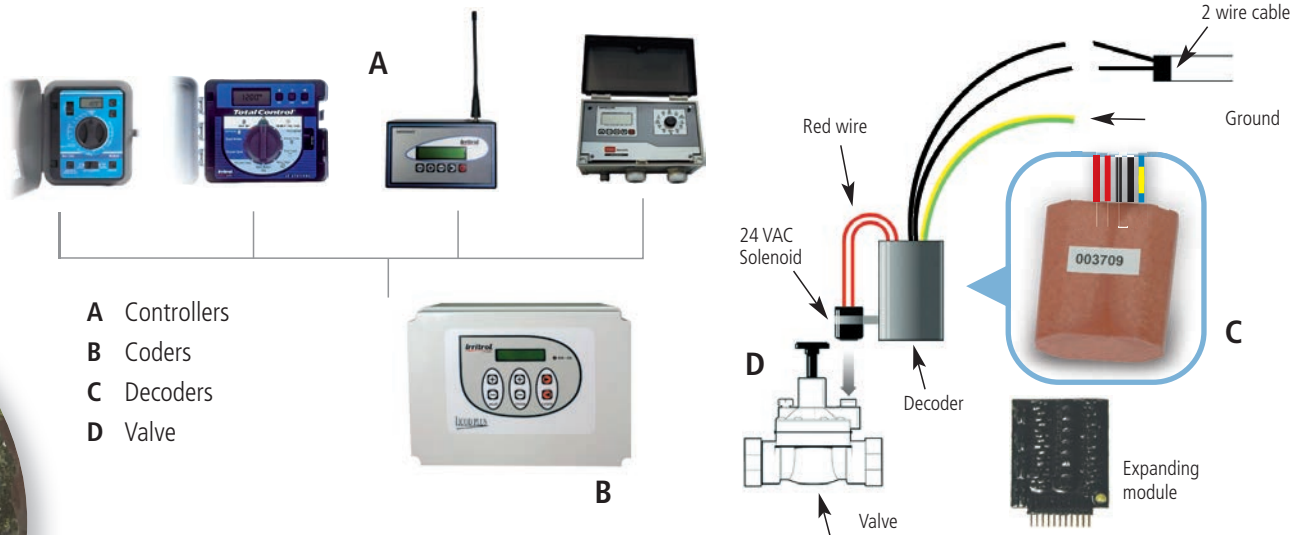
Input sensor power: N.F. switch

Output alarm power: N.C. or N.O. relay, 230VAC, 10 Amp

Terminal boards:

- Inputs: (1,2,3,...,48) 1 mm
- Output: max 6 mm

Temperature: from -5° to +50° C



Maximum cable lengths

Cable section FG7 (mm ²)	Specific resistance (Ohm/km)	Number of valve decoder connected to only solenoid activated simultaneously			
		1	2	3	4
1,0	17,70	3.700 m	2.300 m	1.700 m	1.300 m
1,5	12,20	5.500 m	3.500 m	2.600 m	1.800 m
2,5	7,35	9.300 m	5.800 m	4.400 m	3.400 m
4,0	4,60	14.900 m	9.400 m	7.000 m	5.500 m
6,0	3,06	22.300 m	14.100 m	10.500 m	8.300 m

Codification

Code	Description
IT-ICODPLUS	16-station Icod coder (expandable to 48)
IT-IDECODM	Main valve decoder (MV)
IT-IDECODP	Decoder for pump control
IT-IDECODPLUS	Field decoder for IP68 valve
IT-IDECODPLUS-L	Field decoder for latching solenoid valve
IT-IDECODPLUS-2	Multiple field decoder for 2 valves
IT-IDECODPLUS-4	Multiple field decoder for 4 valves
IT-IDECODPLUS-6	Multiple field decoder for 6 valves
IT-ICODEXP8PLUS	Internal 8-station expansion module with pre-wired terminal