

IBOC 300 9V Controller

Bidding Specifications

Automatic Controllers shall be IBOC300 individual battery-powered controllers as manufactured under the brand name of Irritrol Systems to be installed in accordance with manufacturer's published instructions.

Operation: Each controller operates one valve. Controller is manually programmed or programmed via the Irritrol Systems infrared RCP8+ programmer. Run time from 1 minute to 23 hours and 59 minutes can be set manually as well as a watering interval of every 12 hours, every 24 hours, every 48 hours or every 7 days. Manual set programs are overridden by programs set with the RCP8+. RCP8+ programming sets the same run time parameters plus the following options: 3 start times per program are available and watering interval can be set to a 7-day calendar, from 1 to 7 days, or even or odd days. Odd-day programming skips the 31st day of each month. A program is downloaded via an infrared signal from the RCP8+ to the IBOC300-9V by setting the IBOC300-9V's address to correspond to the program number. The controller shall have an eight (8) program capacity. A successful download is acknowledged by the IBOC300-9V's three LEDs blinking sequentially. It also is displayed as successful on the RCP8+'s LCD. The RCP8+ can upload any previously set program in an IBOC300-9V. The upload displays on the RCP8+'s LCD in a blinking mode. Besides the program upload, the IBOC300-9V also reports the change state of its battery with four **** being a fully charged battery down to one * for a battery that needs to be replaced. The IBOC300-9V's address is also displayed. The program is retained in an EEPROM that maintains the program for two minutes without battery power allowing the removal of a battery and replacement of an active battery. The controller can be installed on the valve adapter in a vertical or horizontal position.

Construction: The controller water resistant through encapsulation shall be in unique resins used in the marine industry. The controller has a low profile allowing it to fit in almost any valve box. The unique technology includes a patented low power latching solenoid that is encapsulated with Marine Industry resins inside the controller. The controller measures 3" L x 2 1/2" W x 1 1/2" H (76mm x 63mm x 38mm). The controller operates to 150 psi (10 Bars). Operational temperature range is 35°F to 140°F (1°C to 60°C). The controller weighs 5 1/2 oz. (150 grams) and the battery weights 1 1/2 oz. (40 grams). The 9 V dc water-resistant battery housing accepts standard 9 V dc battery. Battery not supplied.