

## Introduction:

Baccara Automation & Control congratulates you for purchasing the OCTOPUS Automatic Filter Backwash Controller; please follow this document for a step-by-step narrated description of the installation, operation, and maintenance processes of the controller.

The OCTOPUS Automatic Filter Backwash Controller is designed to control the backwash process of an up to ten-unit filtration batteries, that operate in agricultural, waterworks, Industrial and other non-hazardous environments, within the pressure and temperature framework described in the specification table.

## Safety Instructions: (Draft 14/12/20)

### General:

- ❖ Prior to installation, operation, maintenance or any other type of action carried out on the Octopus Automatic Filter Backwash Controller, read the safety, installation and operation instructions carefully.
- ❖ The Octopus Automatic Filter Backwash Controller operates as part of larger irrigation systems; therefore, it is essential to comply with all the safety instructions and standards relevant to the whole irrigation system.
- ❖ During installation, operation, or maintenance of the controller all conventional, general and local safety instructions should be observed in order to avoid danger to the workers, the public or to property in the vicinity.
- ❖ Always use personal safety gear such as gloves, full coverage clothes, helmet, and safety goggles.
- ❖ When installing or servicing the Octopus Automatic Filter Backwash Controller, use only standard and adequate tools.
- ❖ The Octopus Automatic Filter Backwash Controller must be used with non-hazardous liquids.
- ❖ The filtration battery controlled by the Octopus Automatic Filter Backwash Controller enters to backwashing mode automatically without warning.
- ❖ No change or modification to the equipment is permitted without a written notification given by Baccara Automation & Control.
- ❖ Always observe standard safety instructions and good engineering practices whilst working in the filtration system vicinity.
- ❖ Use the Octopus Automatic Filter Backwash Controller only for its intended use, as designed by the manufacturer, any misuse of the controller may lead to undesired damage and may affect your warranty coverage.

### Preparation to Installation:

- ❖ Shipping and transporting the Octopus Automatic Filter Backwash Controller must be done in a safe manner and in accordance with the relevant standards and regulations.
- ❖ Electrical wiring should be performed by an authorized electrician only, using standardized and approved components and tools. Locate the Octopus Automatic Filter Backwash Controller where direct water splashing on the electrical components of the controller is avoided. Prevent electrification; when using an external power, appropriate external fuse and wires gauge are required.
- ❖ Install the Octopus Automatic Filter Backwash Controller where the filtration battery can be clearly seen from its installation point.

### Installation:

- ❖ Install the Octopus Automatic Filter Backwash Controller according to the detailed Installation Instructions provided with it and according to the description given in this manual.
- ❖ Leave enough clearance around the Octopus Automatic Filter Backwash Controller for easy access for safe maintenance.

- ❖ Ensure easy and safe access to the Octopus Automatic Filter Backwash Controller without climbing on pipes or equipment. Make sure that any access equipment is built, installed and used in accordance with the relevant local regulations and standards.

#### **First Startup:**

- ❖ Carefully observe the First Start-up operation instructions prior to the first operation of the Octopus Automatic Filter Backwash Controller.
- ❖ For smooth operation and performance of the Octopus Automatic Filter Backwash Controller, make sure to perform the startup and first operation procedures exactly as described in this manual.

#### **Operation and Maintenance:**

- ❖ Do not operate the Octopus Automatic Filter Backwash Controller before reading carefully and being familiar with its operation instructions.
- ❖ Never operate or use the Octopus Automatic Filter Backwash Controller for purposes other than its original design and operational envelope.
- ❖ When servicing the Octopus Automatic Filter Backwash Controller, disconnect it and the filters from the power supply.
- ❖ Before returning to regular operation follow the First-time Start-up Operation instructions as detailed in this user manual.

### **The FCC Wants You to Know**

This equipment has been tested and found to comply with the limits for a Class B digital device, pursuant to Part 15 of the FCC rules. These limits are designed to provide reasonable protection against harmful interference in a residential installation. This equipment generates, uses and can radiate radio frequency energy and if not installed and used in accordance with the instructions, may cause harmful interference to radio communications. However, there is no guarantee that interference will not occur in a particular installation. If this equipment does cause harmful interference to radio or television reception, which can be determined by turning the equipment off and on, the user is encouraged to try correct the interference by one or more of the following measures:

1. - Reorient the receiving antenna.
2. - Increase the separation between the equipment and receiver.
3. - Connect the equipment into and outlet on a circuit different from that to which the receiver is connected.
4. - Consult the dealer or an experienced radio/TV technician for help.

This device is only authorized for use in a mobile application. At least 20 cm of separation distance between the Fc3 - Octopus3 device and the user's body must be maintained at all times.

This device complies with Part 15 of the FCC Rules standard. Operation is subject to the following two conditions: (1) this device may not cause interference, and (2) this device must accept any interference, including interference that may cause undesired operation of the device.

### **Wireless notice**

This device complies with FCC radiation exposure limits set forth for an uncontrolled environment and meets the FCC radio frequency (RF) Exposure Guidelines radio frequency (RF) Exposure rule. This transmitter must not be co-located or operating in conjunction with any other antenna or transmitter.