Multi-Control Main Panel

Product Description:

The Multi-Control (main controller) is the "physical point of connection" for the hardware in the field. For reference, a Multi-Control could compare to compare a VISION or BOSS pivot control panel for Zimmatic pivots. However, to contrast, the Multi-Control has a very simple UI and must use FieldNET for programming and configuration.

- FieldNET enabled (you must add a FieldNET RTU for operation)
- Simple UI (status LED's and push button switch to toggle the following modes;
  - Automatic
  - Service mode
  - Off
- Expandable options available to fit the unique customer needs
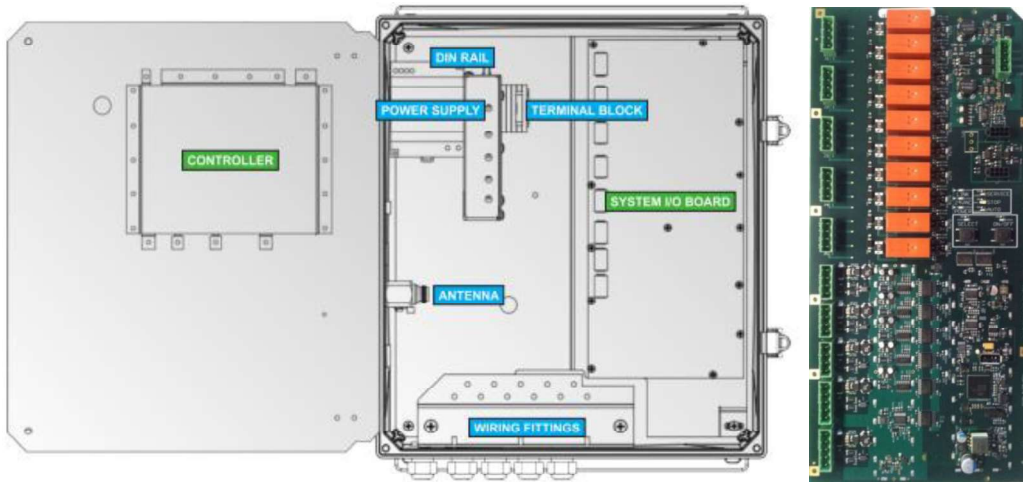- Optional wireless control for remote valves.

Multi-Control Main Panel Specifications:

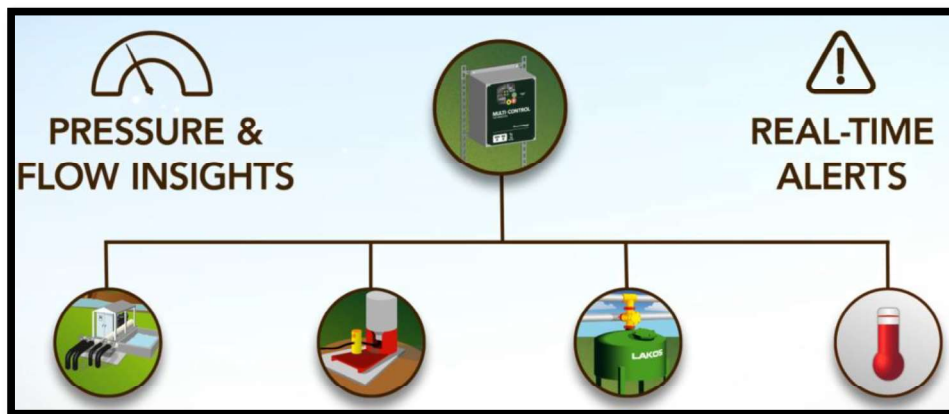| General Specifications	
Power requirements	120 / 230 VAC 60 / 50-60 Hz 1.5 / 0.75 Amps
Input / Output Specifications	
I/O BUS	Connector: 8 pin Molex mini-fit, Maximum cable run: 1,000 ft / 304.8 m Cable requirements: The cable (sourced by dealer) should be 18 AWG twisted / shielded pair type cable suitable for installation method (i.e., direct burial and UV rated for above ground).
USB	USB host port: Type A / Female
Non-latching valve controls	24VAC / 0.5A 50/60 Hz a total load not exceeding 60VA 10 configurable outputs
Analog inputs (3 inputs)	0-6 VDC; 4-20mA sensors can be used by adding a terminal block mounted resister. • 2 Pressure transducers • 1 temperature probe or 1 pH sensor (not both at same time)
Digital inputs (2 flow meters)	Dry contact closure (open circuit voltage is 5 VDC) Sensor support:
Mechanical Specifications	
Enclosure material	Polycarbonate
Weight	22 lbs / 10 Kg
Dimensions	Panel: 16 in (H) x 14 in (W) x 8 in (D) / 41 cm (H) x 35.5 cm (W) x 20.5 cm (D) Shipping box: 18 in (H) x 18 in (W) x 9 in (D) / 45.7 cm (H) x 45.7 cm (W) x 22.9 cm (D)

Multi-Control Products Overview (continued)

Multi-Control Main Panel Features:

The Multi-Control main panel can be described as a "4-in-1" controller. The key features include:

1. Irrigation control of pumps and valves for irrigation schedules.
2. Control fertilizer and chemical injection.
3. Schedule filter flush cycles by runtime or pressure differential.
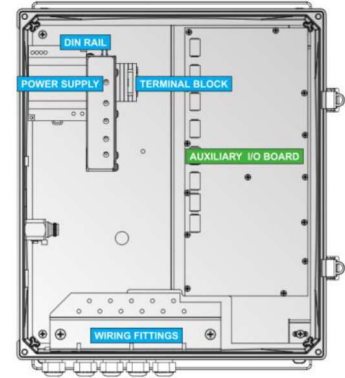4. Control canopy sprinklers for frost protection or crop cooling cycles.

Multi-Control Products Overview (continued)

Expandability Options

Expansion Panel Description:

The Expansion Panel will connect to the Multi-Control main panel using a CAN-BUS data connection to expand the number of control relays by +10 for each Expansion panel added. These relays can be used to controls additional;

- Water valves / zones
- Flush filters/tanks
- Injectors

Expansion Panel Specifications:

General Specifications	
Power requirements	120 / 230 VAC 60 / 50-60 Hz 1.5 / 0.75 Amps
Input / Output Specifications	
I/O BUS	Connector: 8 pin Molex mini-fit, Maximum cable run: 1,000 ft / 304.8 m Cable requirements: The cable (sourced by dealer) should be 18 AWG twisted / shielded pair type cable suitable for installation method (i.e., direct burial type or UV rated for above ground).
USB	USB host port: Type A / Female
Non-latching valve controls	24VAC / 0.5A 50/60 Hz a total load not exceeding 60VA Adds 10 configurable outputs
Mechanical Specifications	
Enclosure material	Polycarbonate
Weight	22 lbs / 10 Kg
Dimensions	Panel: 16 in (H) x 14 in (W) x 8 in (D) / 41 cm (H) x 35.5 cm (W) x 20.5 cm (D) Shipping box: 18 in (H) x 18 in (W) x 9 in (D) / 45.7 cm (H) x 45.7 cm (W) x 22.9 cm (D)