



# ORIOLE

## SMALL CONTROLLER

The JCA Oriole controller is a general-purpose controller intended for control and monitoring functions in a wide variety of mobile applications. It is customized with application software to meet the needs of each specific application. The communication interfaces include one CAN bus and optional Bluetooth wireless. CAN bus can be used for communicating on J1939, ISOBUS (ISO11783), or other CAN networks. The controller can be used to:

- Control many types of loads and actuators (hydraulic valves [proportional and on/off], lights, motors, etc.)
- Monitor all types of sensors (speed, position, temperature, pressure, etc.)
- Perform complex sequenced or control algorithms
- Communicate with other CAN-enabled devices (displays, switches, engine/transmission control units)
- Implement wireless control and/or monitoring functions over Bluetooth for interface with smartphones or fixed function remote controls.

### ISOBUS IMPLEMENT CONTROLLER FUNCTIONALITY:

The controller can also serve as an ISOBUS compatible Implement Controller in agricultural applications to control implements with the use of ISOBUS compatible Virtual Terminals. In many cases, the controller uses existing terminals and joysticks in tractor or combine cabs and eliminates the need for additional operator controls.



## A SUMMARY OF THE JCA ORIOLE CONTROLLER CAPABILITIES ARE:

- Environmentally sealed (IP66), -40°C to +85°C operating temperatures
- Designed for 12V and 24V systems (9V to 32V operation)
- One CAN bus
- Bluetooth wireless capability (optional)
- Up to 15 Inputs
  - 2 analog/digital inputs
  - 6 frequency/analog/digital inputs
  - 1 wake-up input (ignition)
  - 6 analog/digital inputs shared with output pins (if output is not used)
- Up to 6 Outputs (Total combined output current limited to 15 Amps)
  - 6 high side outputs with PWM capability and current sense feedback (3 Amps max)
- 5V sensor reference voltage output



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## LET US OUTLINE YOUR SYSTEM

Let's discuss your electronic system needs. Our experts can help you arrive at a detailed solution that fits your particular application.

Contact us today for your immediate system assessment.

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