



**WIRELESS CONTROLLER FOR FUEL MANAGEMENT SYSTEMS (FMS)**

- Relays information read by Vehicle or Nozzle RFID Units to Fuel Management
- Triggers fuel dispersion based on FMS decision rules
- Multiple interface connection options available

The HID Global identiFUEL™ Wireless Controller (IWC) is a device that receives data from identiFUEL™ Vehicle or Nozzle Units and forwards this information to a central Fuel Management System (FMS).

The FMS software decides if and how much fuel to be dispensed based on received information and the configured business rules. The result is submitted back to the fuel pump or the Wireless Controller for execution.

Using a variety of interface standards including Ethernet, RS485, RS232, Wiegand or USB, the IWC can integrate with third-party systems intended for product transfer, fueling automation or access control.

The Wireless Controller utilizes an encrypted communication channel to the identiFUEL™ Vehicle and Nozzle Units and covers a distance of up to 328 ft (100 m). Firmware upgrades are easily, possible post installation, to keep the controller up to date.

Two separate relays allow triggering external devices.

The identiFUEL™ Wireless Controller may either be embedded into other system components at the fueling site or be mounted externally by utilizing the optional waterproof housing.

### KEY TECHNOLOGY HIGHLIGHTS:

- Simple installation
- Outdoor environment resistant housing
- Multitude of connectivity options
- Triggers fuel dispenser based on FMS decision
- Encrypted communication to Vehicle and Nozzle Units
- In-field firmware upgradeable

### TYPICAL APPLICATION AREAS:

- Fueling stations for:
  - Construction vehicles
  - Trucks
  - Bus coaches
  - Any other commercial fleet vehicles

## SPECIFICATIONS

	Wireless Controller	Housing
	IWC 900	IWE 901
<b>Base Model Number</b>	IWC900-0-1-GB-XX	IWE901-0-0-GB-XX
<b>ELECTRONIC</b>		
<b>Operating Frequency to Vehicle Unit and Nozzle Reader</b>	433.92 MHz	N/A
<b>Network Connector</b>	RJ-45 10/100 Mbps	N/A
<b>USB Connector</b>	USB 2.0 mini-b	N/A
<b>Serial Connector</b>	RS-485 / RS-232	N/A
<b>Magnetic Stripe Connector</b>	Wiegand	N/A
<b>Power Supply Voltage</b>	10 V DC to 30 V DC, polarity sensitive	N/A
<b>Power Supply Current</b>	300 mA	N/A
<b>PHYSICAL</b>		
<b>Dimensions</b>	5.7 × 6.69 × 2.48 in (145 × 170 × 63 mm)	7.67 × 7.48 × 3.34 in (195 × 190 × 82 mm)
<b>Mounting Method</b>	Screw	Screw
<b>Housing Material</b>	N/A	ABS Plastic
<b>Housing Color</b>	N/A	Grey
<b>Weight</b>	6.2 oz (177 g)	16.4 oz (466 g) housing only
<b>CHEMICAL AND MECHANICAL RESISTANCE</b>		
<b>Water</b>	N/A	IP67, 68° F (20° C), 1 m × 1 h
<b>Humidity</b>	0 to 95% relative humidity at +104° F (+40° C) non-condensing	0 to 95% relative humidity at +104° F (+40° C) non-condensing
<b>THERMAL</b>		
<b>Storage</b>	-40° to +176° F (-40° to +80° C)	-40° to +176° F (-40° to +80° C)
<b>Operating</b>	-13° to +140° F (-25° to +60° C)	-13° to +140° F (-25° to +60° C)
<b>OTHER</b>		
<b>Standards</b>	IEC61000-4-2:1995 + A1:1998 + A2:2000, IEC61000-4-3:2006, EN301489-1 V1.8.1:2008, EN301489-3 V1.4.1:2002, EN55022:2006 Class B, ETSI EN 300 200-1 V2.3.1:2010/02, EN60950-1:2006 + A12:2011	N/A
<b>Options</b>	External LF reader for ID badge identification	N/A
<b>Quantity Per Box</b>	1 pc.	1 pc.
<b>Warranty</b>	1 year	1 year



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