Zebra® WhereCall V

ZEBRA TECHNOLOGIES

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The WhereCall V telemetry request tag is a wireless pendant and simple telemetry device. Fundamental to the wireless Material Flow Replenishment System, it is designed to be easily mounted line side with no wires or conduit. It can make parts requests without requiring any hardwired connectivity whatsoever. Additionally, it provides operator feedback by incorporating an eight-character LCD display that can count the duration of time since the last button press. It can be the basis for a wireless call system solution that eliminates the need for wired line-side pendants, or can replace paper based Kanban Systems.

Highly flexible, it can also be programmed to toggle between "on" and "off" states, as well as display custom messages for each state. The use of a wireless pendant can provide the ability to easily reconfigure the production line and add new workstations without the cost of reinstalling wires or conduit.

WhereCall V Benefits

- Provides wireless messaging
- Saves cost of reconfiguring wired systems
- Long battery life lowers cost of ownership
- Supports ISO/IEC 24730-2 or Wi-Fi with Cisco CCX

In a typical line-side application, a specific WhereCall V is associated with a unique part number and workstation. An operator makes a replenishment request by simply pressing the button on the WhereCall V. The button press causes the WhereCall V to transmit its unique ID in addition to the request for parts. A network of WhereLAN Location Sensors (LoS) receives these transmissions and forwards them to the replenishment system. The button press also starts the timer that counts elapsed time and displays it on the LCD display. This allows the operator to monitor the elapsed time from button press until parts delivery. The WhereCall V can also be programmed to transmit two different states; the equivalent of "on" and "off." An example implementation of this function is to make a request for assistance and then cancel the request after assistance is rendered.

The WhereCall V programmable Logic Control is a variant product that can be integrated into an automated system. A sealed connector replaces the activation button. This connector is attached to a remote switch that then automatically triggers the same actions as the activation button in the standard WhereCall V. This allows the PLC version to be directly connected to intelligent shop floor equipment.

The WhereCall V utilizes field replaceable batteries that provide a typical battery life of five years in most applications. This far exceeds the battery life of most wireless "call" pendants. Additionally, in ISO/IEC 24730-2 mode, the range is more than double the range of Wi-Fi pendants, and therefore requires fewer than one-fourth the number of receivers of a Wi-Fi system.

SPECIFICATIONS

Model

TFF-2235

Environmental/Physical	**Capabilities**	**Regulatory Approvals**
Operating Temperature Range 0° C to +55° C (+32° F to +130° F)	**Frequency Range** 2.4 to 2.483 GHz	• FCC Part 15 Subpart B & C • IC RSS-210
Storage Temperature Range -30° C to +30° C (-22° F to +86° F)	**Typical Read Range, Indoors** 300 m (984 ft)	• ETSI EN 300 328 • ETSI EN 301 489
Relative Humidity 0% to 95% (condensing)	**Typical Read Range, Outdoors** 1,000 m (3,280 ft)	• EN 55022 Class B • R & TTE Directive 199/5/EC
Durability 1.5 m (5 ft) Drop to Concrete	Specifications for clear line of sight and are subject to change without notice.	• EMC Directive 2004/108/EC • LV Directive 2006/95/EC
Height 12.0 cm (4.7 in)	**Electrical**	
Width 7.5 cm (3.0 in)	• Power: Two "AA" Size Lithium • Battery Life (Nominal): 5 Years	
Depth 3.0 cm (1.6 in)	**Tag Mounting Options**	
Weight 170 g (6.0 oz)	• Poly-Lock Mount - Hanging Bracket • VHD Tape Squares - Mounting Screws	
Environmental Sealing IP 54 (Windblown Dust and Rain), NEMA 12		

Specifications subject to change without notice.