

The EXAConnect wireless controller: The core of the quality control system



The EXAConnect Bluetooth controller packs a lot of firepower in a small, easy to install package. The enclosure is IP 54 (NEMA 12) rated for dust and moisture resistance.

The controller has its own processor, flash memory and operating system, so it can run as a stand-alone unit or connect to a variety of controls.

Various status LED's and a 2-digit display that can be seen through the clear cover alert you of connection status or system errors.

The EXAConnect controller forms the link between your process control network and the Bluetooth equipped BT-EXACT cordless tool. Information about the screwdriving process can be exchanged bidirectionally in real time to insure that each BT-EXACT cordless tool knows exactly what it has to do and when to do it. One EXAConnect controller can run seven tools simultaneously, making it very cost-effective compared to other error-proofing systems.

The EXAConnect controller can easily output data from up to 7 tools via the Ethernet connection, and up to 4 tools to a PLC via the 24 volt I/O switches. When controlling 7 tools via a PLC, an accessory digital I/O module is required. Refer to page 17 for details.

A wide-range power supply insures the system works anywhere in the world without the need for additional power transformers. An internal backup memory and real-time clock insure that critical data is always saved, even in the event of a power loss.

EXAConnect Bluetooth Wireless Controller	
Power supply	100 – 240 V, 50/60 Hz
Standard Interfaces	Ethernet (TCP/IP) 2x RS 422 4x 24 V inputs 4x 24 V outputs
24 Volt power supply (output)	max 4.8 W
Order number	0 602 491 001

System Software Requirements	
Operating system	MS Win 98 SE, 2000, NT, XP
Browser	Internet Explorer Netscape Navigator Mozilla Firefox
Plugin needed (freeware)	Java Runtime Environment 1.4.2 or higher

Extend the reach of 7 tools to a PLC: The digital I/O module

The digital I/O module takes its power from the EXAConnect controller and receives its tool data from the controller RS 422 port. The box has 16 switched input/output connections for communicating with a PLC. Configuration is done via the EXAConnect software (in a web browser).

The EXAConnect controller is capable of supporting up to 4 tools (via a PLC) with limited I/O data transmission. The digital I/O module is needed when 2 to 7 tools must communicate detailed information with a PLC.

The I/O module is not required when using an Ethernet connection to a host network. There are different possible PLC configurations for any given situation; contact your distributor for details.

Bluetooth digital I/O box	
Power requirement	24 volts
Standard Interfaces	RS 422 16 x 24 V inputs 16 x 24 V outputs
Order number	0 602 491 002



The digital I/O box is used with the EXAConnect controller. It allows 24 volt I/O signals from up to seven tools to be sent to a PLC. The box is IP 54 (NEMA 12) rated for dust and moisture resistance.