BINAR PRODUCTION SYSTEMS

WIRELESS BUTTON

- Wireless button that can be used as:
  - Andon LP372
  - Material shortage
  - Poka Yoke
  - Ack/done
  - Custom functions
- Belt clip for easy carriage
- Wall mount version also available
- Custom front layout available
- Low battery consumption
- Easy to install unit with M12 industrial standard I/O plug
- Up to 10 buttons can connect to the IIoT Gateway LP304

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WIRELESS BUTTON

Portability allows for smooth operation in complicated environments. Its mobility gives the user possibility to call for Andon, call attention to material shortage, etc. without having to interrupt their work to get to the nearest station.

The button is small, lightweight and can easily be attached to a belt or a toolkit with the belt clip on the back side of the button.

The wireless button uses two Energizer Ultimate Lithium L92 batteries which are replaceable. The batteries are changed by removing a lid on the back, no tools necessary.

Each button communicates with a base unit point-to-point. The base has an I/O interface with M12 connection that easily may be connected to a PLC. It is system compatible with LP315 and LP317 and other M12 I/O modules with PNP inputs.

TECHNIC	Button	Base unit single
Part number	51700 Andon button wireless + base 51702 Andon button wireless	51703 Wireless base with LED and I/O M12
Power supply	2xL92 Battery	24 VDC
Battery lifetime	Up to 10 years	--
Button lifetime	1000 000	--
Connector	--	M12 A 4 pin male
CE	EN 61000-6-3 and EN 61000-6-2	EN 61000-6-3 and EN 61000-6-2
Temperature range	-10 – 50 °C	-10 – 50 °C
Enclosure	IP40	IP40
Mounting	Handheld with belt clip and wall mount assembly available.	Mounted with screws, wall mount adaptor.
Weight	180 g	350 g
Dimensions	w74 x h24 x d120	w80 x h67 x d129 (without antenna)

RADIO DATA

Frequency	2.4 GHz
Output	+5 dBm
Type	IEEE 802.15.4 Radio
Communication	IPv6, 6lowPAN
Encryption	AES-128
Wireless range open air	50 meters

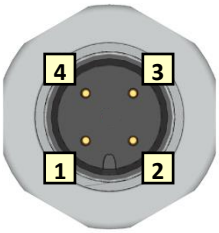
Base unit single button transceiver with antenna, pair button and connect to I/O-M12 output.

IIoT unit LP304 with antenna, pair up 10 buttons and connect to I/O-outputs or Ethernet network and Profinet.

The button and the base are paired with each other with a “teach” button. With this function a damaged button can be replaced without exchanging the base.

A robust link is achieved with a DSSS (Direct Sequence Spread Spectrum). To maximize stability, the system also automatically jumps between frequencies. The Binar protocols are developed to find the best route of communication without the need for a fully established connection.

CONNECTION BASE



I/O interface

4 pin M12 male

Pin	Signal
1	24V (brown)
2	NC (white)
3	0V (blue)
4	OUT Button (black) PNP

Binar Elektronik AB

Box 2001 • SE-461 11 TROLLHÄTTAN • Sweden
tel +46 (0)520 47 32 00 • fax +46 (0)520 47 32 10
e-post info@binar.se • webb www.binarelektronik.se

ISO 9001
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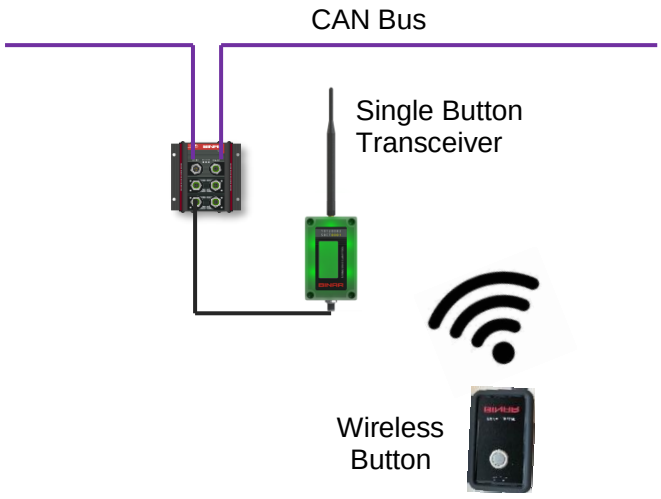
2018-11-05LP372V1.00

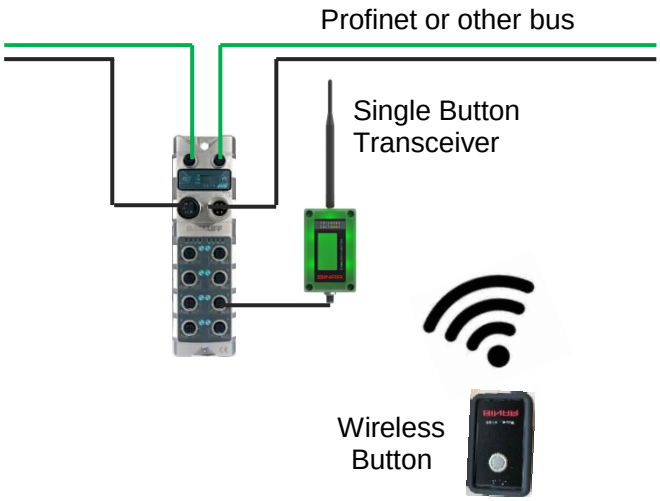
WIRELESS BUTTON

System Overview

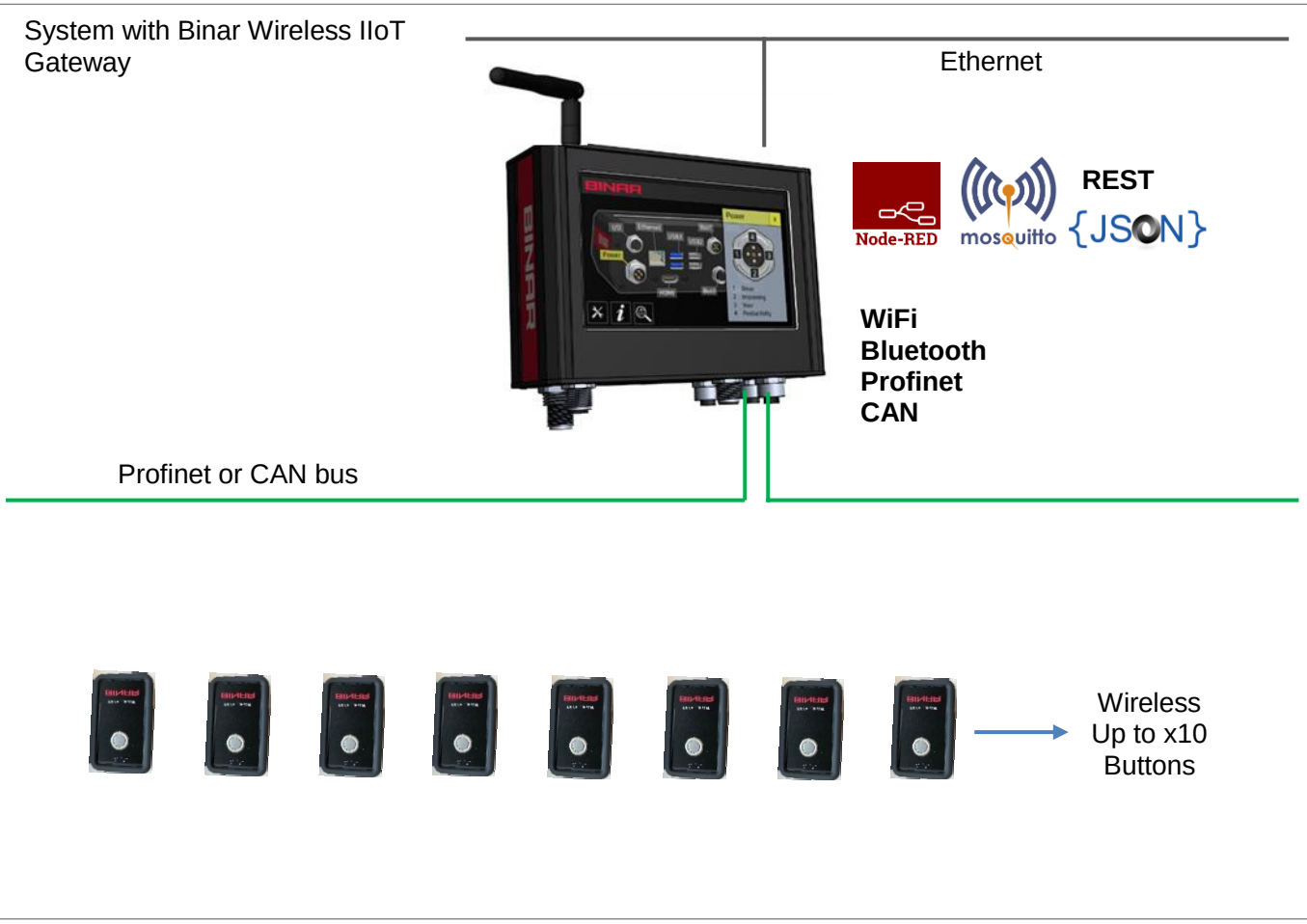
System with Binar Gateway



System with other PLC



System with Binar Wireless IIoT Gateway



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