

BINAR PRODUCTION SYSTEMS

# WIRELESS BUTTON

- Wireless button that can be used as:
  - Andon
  - Material shortage
  - Poka yoke
  - Ack/done
- Belt clip for easy carriage
- Low battery consumption
- Easy to install with M12 industrial standard I/O plug



# 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, light weight 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.

## TECHNIC

Part number	51700 Andon button wireless + base 51702 Andon button wireless	51703 Wireless base with LED and I/O M12
Power supply	2xL92Battery	24 VDC
Battery life time	1-10 years	
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	Hand held and has a belt clip	Mounted with screws
Weight	180 g	350 g
Dimensions	w74 x h24 x d120	w80 x h67 x d129 (without antenna)

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. Set ups must be tested individually depending on their circumstances.

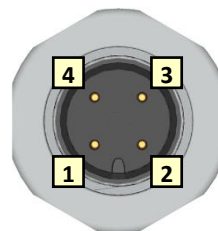
## RADIO DATA

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

## CONNECTION BASE



Base unit with antenna, pair button and I/O-connector



### I/O interface

4 pin M12 male

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

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