

**BALLUFF**

**Wireless Transmission System BWT**  
... multiple and single position switches with wireless technology



## Balluff Wireless Transmission System BWT

Balluff GmbH has expanded their product line of electromechanical multiple and single position switches with a complete RF transceiver solution for the license-free 868 MHz ISM band. License-free means the system requires no permits or connection fees.

The multiple and single position switches are mechanically actuated, by a cam for example. The use of wireless signal transmission eliminates cables and wires to and from the electromechanical position switches. Power is self-generated, making any external energy supply or battery unnecessary.

The Balluff Wireless Transmission System can be adapted quickly and individually to applications or changing physical conditions. The system works with multiple receivers at the same time for network-like operation. Ease of installation and programming as well as freedom from maintenance are additional benefits of the new system – characteristics that make the Balluff

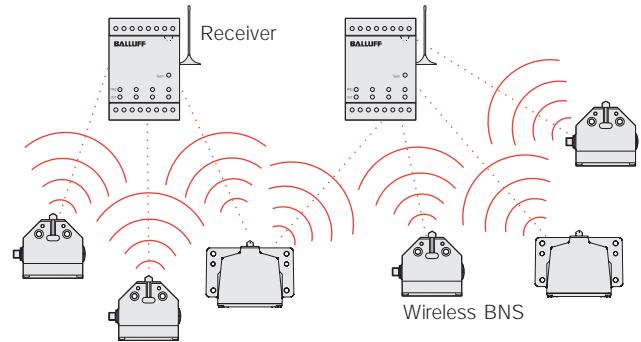
Wireless Transmission System an attractive solution for industry. Possible applications include drag chains, rotary indexing tables, grippers or specialty machine building.

Balluff offers a custom, comprehensive range of accessories such as antennas, repeaters, power supplies, cams and cam trays for the Balluff Wireless Transmission System.

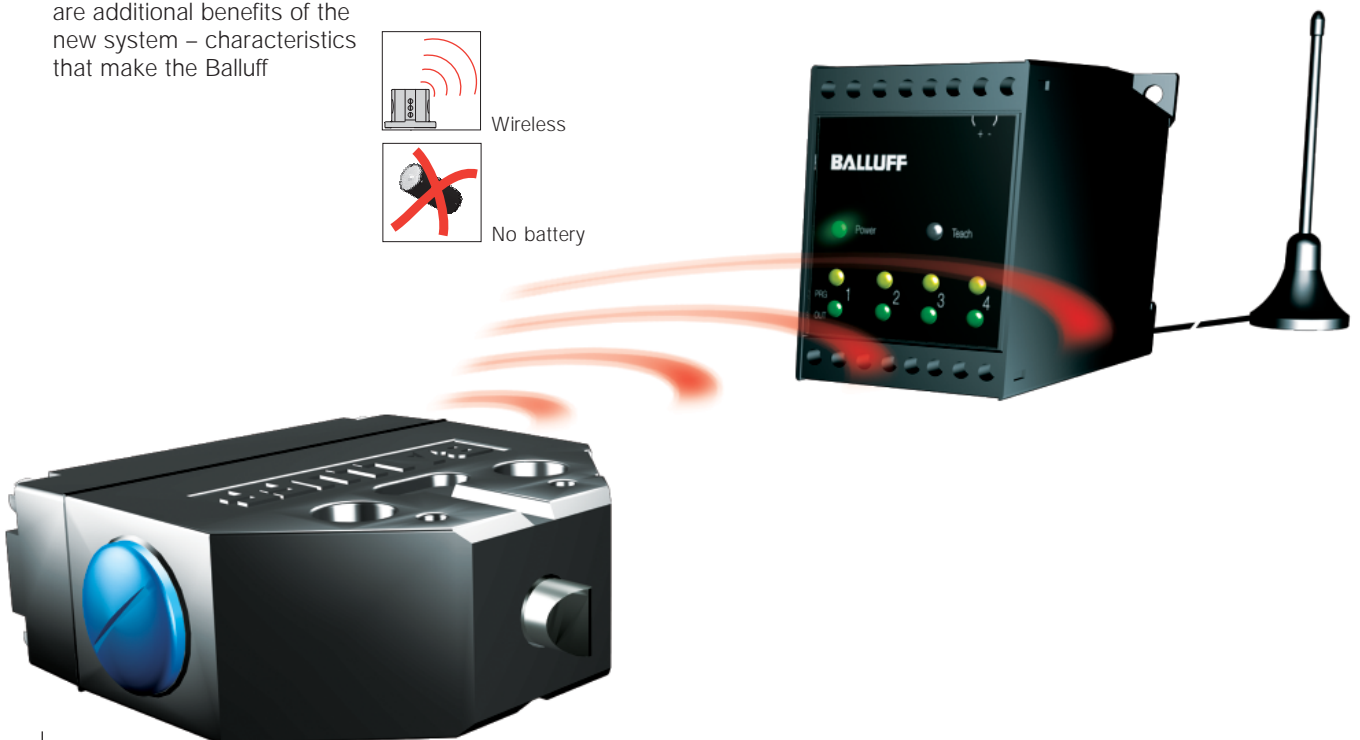
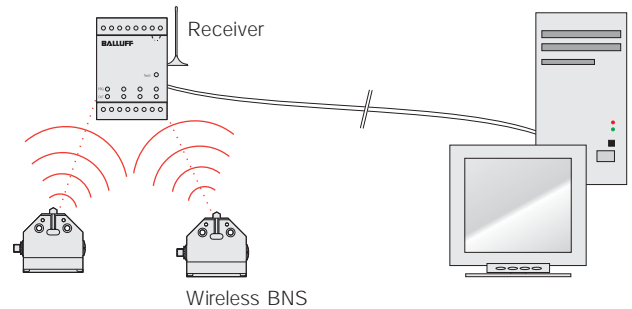
### Advantages

- Multiple receivers can be used at the same time
- No battery
- No cables
- No cumbersome wiring
- Easy to install
- Simple programming
- Multi-network capable
- Serial data output

### Multi-network capable



### Serial data output



## Transmitter (BNS)

- 868 MHz operating frequency
- Unidirectional (in direction of receiver only)
- Electro-generated power
- 14 protocol bytes
- 32-bit ID number for a single station
- 4.3 billion transmitters possible
- 3 protocols sent
- Duty cycle 1 %
- Degree of protection IP 67
- $\geq 1$  million switching operations
- All plunger types available



## RF receiver

- Teach-in function
- approx. 1 m range limit in programming mode for more resistance to false signals
- Programming jumper for protection from unintended teach-in
- LED's for visualizing programming
- LED's for indicating switching states
- 4 outputs - normally open or normally closed
- Antenna socket for SMB plug
- Degree of protection IP 20
- DIN rail mount



## Available series for Balluff Wireless Transmission System BWT



Series 100

Series 62

Series 61

Series 72

Series F60

# Electromechanical Multiple and Single Position Switches

... with Wireless Transmission System



For more multiple and single position switches see main catalog "The Mechanical Line", on CD-ROM or online!

[www.balluff.de](http://www.balluff.de)

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