

# Wireless Push Button Transmitter

Technical spec sheet



Secure ID + CRC



433 MHz ASK RF



3-5 Year Battery



IP65 Enclosure



NFC Tag



Location Support

## Highlights

- Reliable alarm transmission**  
 >= 7 packets per alarm burst (>= 1.2 s). Multiple presses do not cancel.
- Secure device identity**  
 Event/input ID + unique device serial + CRC in each encoded packet.
- Timing-aware RF**  
 Pilot/preamble before each packet burst supports time-to-delivery measurement.
- Staff-only cancel**  
 Hidden cancel with authorized staff tag prevents patient self-cancel.
- Supervision + low battery**  
 Check-in 55 min default (115 min option / disable). Low battery <10% with 120 min alerts (optional).
- Long-life, field replaceable**  
 CR2032 (3 V, 225 mAh). Typical 3+ years; up to 5 years (profile dependent).

## Key Specifications

<b>RF band</b>	433 MHz ISM (315/915 MHz optional variants)
<b>Modulation</b>	ASK
<b>Data rate</b>	4 kB/s
<b>TX power</b>	Adjustable; 5 mW default after calibration
<b>Packet</b>	24-bit encoded + Event ID + Serial + CRC
<b>Pilot/preamble</b>	Before each packet burst
<b>Alarm burst</b>	>= 7 packets; >= 1.2 s (minimum)
<b>Presence check-in</b>	55 min default (115 min option / disable)
<b>Low battery</b>	<10% capacity; 120 min alert interval (optional)
<b>Battery</b>	CR2032, 3 V, 225 mAh; user replaceable
<b>Battery life</b>	3+ yrs typical; up to 5 yrs (ref profile)
<b>Ingress</b>	IP65
<b>Weight</b>	28 g (excluding lanyard)
<b>NFC</b>	MIFARE 26-bit compatible tag
<b>Location support</b>	Receiver RSSI + timing can assist position estimation (system-dependent)



### Staff pendant details:

Does not require Cancel hidden sensor, optional is On Alarm button is Grey and LED is blue colour  
 Check-in 115 min default or disabled.  
 Low battery <10% with 120 min alerts (optional).