800 series

NC432/NC432W

CE

INFRARED (IR) MK2 PENDANT TRANSMITTERS

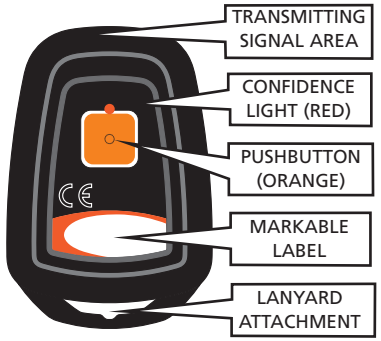
ITEMS SUPPLIED (dependent on model purchased)

1 x NC432 infrared neck pendant transmitter (push for call)
1 x NC432W infrared wrist pendant transmitter (push for call)
1 x lanyard (90 cm end-to-end length, breakaway safety type) used with NC432
1 x wrist strap used with NC432W (pack of 10 spare wrist straps are also available - part no. QT432S)
1 x sheet of coloured markable labels
1 x user instruction (this document)

TRANSMITTER FEATURES

The pendant transmitters (example shown right) allow users to activate calls on an 800 Series Conventional Call System. They have the following features:

- can be worn either around the neck using a lanyard, or on the wrist using a wrist strap (dependent on model purchased).
- the transmitter generates IR signals when its pushbutton is pressed. These signal are sent to compatible 800 Series IR call points, or IR ceiling receivers.
- each transmitter is configured to generate a Standard Call level.
- User ID's can be written on markable labels (supplied) and attached to the transmitter.



TRANSMITTER OPERATION

1. To activate the transmitter PRESS its orange pushbutton. This will fill the local area with IR signals.
2. Upon activation, the transmitter's confidence light flickers red to confirm that a signal is being transmitted.
3. The IR signals generated by the transmitter are picked up by compatible 800 Series IR call points, or 800 Series IR ceiling receivers within range of the transmitter.
4. The appropriate call response is performed by the 800 Series system and the transmitter's call level and location are indicated at all relevant displays.

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TRANSMITTING SIGNAL AREA
CONFIDENCE LIGHT (RED)
PUSHBUTTON (ORANGE)
MARKABLE LABEL
LANYARD ATTACHMENT

TRANSMITTER OPERATION

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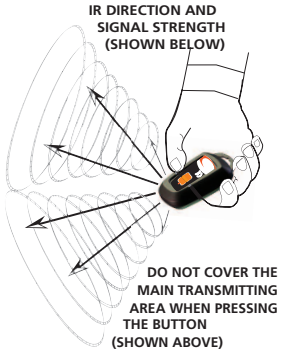
IMPORTANT NOTE ABOUT IR TRANSMISSION



As with most IR transmitters, the pendant emits directional IR signals with varying strengths (illustration shown right). When triggered in the proximity of an IR receiver the pendant can be held in most orientations, as the IR signal will scatter and bounce to locate the receiver. A clear line of sight from transmitter to receiver is not essential.

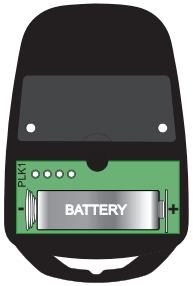
At the extremities of the pendant's operating range (10 m), the IR signal becomes more directional and requires a clearer line of sight from transmitter to receiver. In this mode, performance is improved if the pendant is orientated in the direction of an IR receiver when triggered. Also, to improve transmission coverage, use more IR call points and IR ceiling receivers (installed no greater than 10 m apart).

TRANSMITTER BATTERY

Each transmitter is supplied with a 12 V alkaline battery, type A23/23A (8LR23), which is non-rechargeable. Do not use any other type of battery as this could damage the transmitter and void its warranty. Dispose of the battery following the manufacturers' recommended procedures.

The battery life depends on frequency of use but typically is between 6 to 12 months. Note: After activation, the transmitter's confidence light flashes once to confirm the battery is OK and flashes twice when the battery charge is low.

To change the battery, simply back off the cover's locking screw 2 full turns anti-clockwise, then slide off the cover. Remove the used battery and replace with a new one, observing correct polarity (shown right). Replace the cover and retighten the locking screw. Do not overtighten. **Note: If you have changed a battery always test the transmitter before it is re-issued to its user.**



(BATTERY COVER REMOVED)

TESTING THE TRANSMITTER

A test infrared receiver (part no. NC302RT) is available to verify the correct IR operation of the transmitters. It is recommended that at least one is used per system.

TECHNICAL SPECIFICATION (FACTORY DEFAULTS)

Infrared signal type	940 nm modulated @ 38 KHz
Infrared range	10 metres line of sight*
Weight (including battery)	30 grams
Overall dimensions (main body) W x H x D	46 mm x 67 mm x 17 mm
Ingress Protection rating	IP 41
Battery	12 volt, type A23/23A (8LR23) alkaline (non-rechargeable)

** Dependent on receiver, physical conditions and environmental factors.*

E&OE. No responsibility can be accepted by the manufacturer or distributors of this equipment for any misinterpretation of an instruction or guidance note or for the compliance of the system as a whole. The manufacturer of this equipment operates a policy of continuous improvement and reserves the right to alter product specifications at its discretion and without prior notice.

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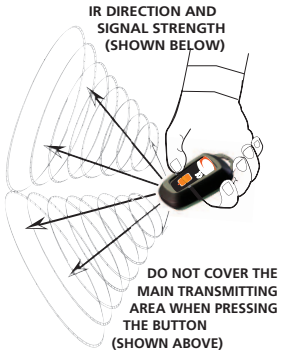

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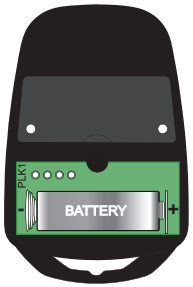

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