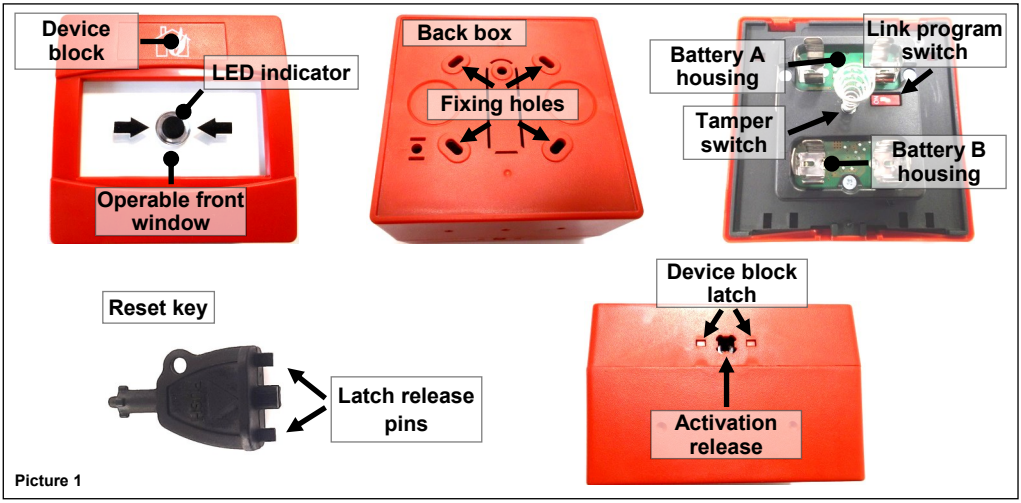
TW-CP-R-01/916

Wireless (916) Call Point Red
INDOOR USE

GENERAL DESCRIPTION

The **TW-CP-R-01/916** call point permits the manual activation of a fire alarm. After its use, the call point can be reset with its proper key, making it immediately ready for reactivation.

TW-CP-R-01/916 is battery powered and doesn't need any system cabling installation.



Picture 1

DEPLOYMENT PROCEDURE

1) Select a location for the call point. See **LOCATION SELECTION**.
2) Unbox the call point from its packaging.
3) Power up the call point. See **FIRST POWER UP** / **POWERING UP - RECOVERY**.
4) Link the call point to the system. See **LINKING - WAKE-UP - FIRST POWER UP/ LINKING - WAKE UP - RECOVERY**
5) Install the back box. See **FIXING THE BACK BOX**.
6) Install the device block onto the back box. See **DEVICE BLOCK INSTALLATION / DEINSTALLATION.**
7) Test the call point. See **TESTING**.
8) Remove the "NOT IN USE LABEL" when the call point is in operation.

Always remove the "NOT IN USE" label when the call point comes in operation.

LOCATION SELECTION

Select a location for the call point that conforms to your local applicable safety standards and that is in a good position for sending / receiving wireless signals to / from the father **TW-MTI-01/916**, **TW-MEC-01/916** or **TW-ME-01/916** network device.

It is advisable to use the TW-SKT-01/916 survey kit to locate a good wireless installation location.

Mount the call point as far as possible from metal objects, metal doors, metal window openings, etc. as well as cable conductors, cables (especially from computers), otherwise the operating distance may greatly drop.

The **TW-CP-R-01/916** must NOT be installed near electronic devices and computer equipment that can interfere with its wireless communication quality.

LED INDICATOR STATUS MESSAGES

Please mind that LED signalling burns out battery power, therefore reducing batteries lifespan.

The LED indicator communicates to the final user the status of the **TW-CP-R-01/916**.

Device status	LEDs indication
Power up (DIP on “ON”)	Blinks red 4 times
First power up (DIP opposite “ON”)	Blinks alternatively green / red 4 times
Power up (DIP opposite “ON”)	Blinks green 4 times
Entering wake-up mode	Blinks alternatively green / red 4 times
Link success (one-by-one)	Blinks green 4 times, then the same pattern again
Link failure (one-by-one)	Enters wake-up mode and signals “Entering wake-up mode” following this failure
Link success (wake-up)	Blinks green 4 times, then same pattern again
Link failure (wake-up)	Blinks green 4 times, then blinks red on once, then blinks alternatively green / red 4 times
Normal condition	LED off (can be programmed so as to blink green every wireless communication)
Alarm activation	Blinks red every 2 seconds
Battery fault	LED off (can be programmed so as to blink amber every 5 seconds)
Tamper fault	LED off
Replaced	Blinks amber 2 times

Table 1

POWERING UP AND LINKING - PRELIMINARY NOTES

TW-CP-R-01/916 needs to be powered up with the supplied batteries.
Linking is the operation through which **TW-CP-R-01/916** is “wirelessly connected” to a **TW-MTI-01/916**, **TW-MEC-01/916** or **TW-ME-01/916** Taurus network device.

FIRST POWER UP

The device has features that facilitate the first installation. The first time you switch it on, without toggling the Link / program switch (set by default in the "opposite to on" position), the device enters wake-up mode.
Every power on that is done before completing a link will be considered as a "first power on" (device automatically in wake-up mode with in Link / program "opposite to on" position).

LINKING - WAKE-UP - FIRST POWER UP

“Wake-up” linking consists in associating one or more child devices to the Taurus system altogether in a single operation.
Wake-up is performed either through the **TauREX** software or the **TW-MTI-01 / TW-MEC-01** keyboard-screen interface; it CANNOT be done through **TW-ME-01** devices.
1) Create the “virtual model” of the **TW-CP-R-01/916** either on **TauREX** or on the **TW-MTI-01 / TW-MEC-01**.
2) Insert the two supplied batteries into their device’s lodgments (since it is a “first power up” do not toggle the Link / program switch)
3) Trigger the wake-up procedure either from **TauREX** or from the **TW-MTI-01 / TW-MEC-01**.
4) Wait the end of the “wake-up” linking procedure.
5) Check on **TauREX** or from **TW-MTI-01 / TW-MEC-01** for linking success. Consult their user manual.

POWERING UP - DEVICE LINKED TO THE SYSTEM

Use this procedure when a **TW-CP-R-01/916** is successfully linked to its Taurus system and you have to extract one or both batteries (e.g. batteries substitution).

1) Reinsert the battery or both batteries into their lodgments.

Do not touch the Link / program switch.
If performing a batteries substitution, use two brand new batteries and substitute both of them.
Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

POWERING UP - RECOVERY

Use this procedure when you fail to link successfully a **TW-CP-R-01/916** or you want to link it again.

1) Move alternatively the Link / program switch 5 times.
2) Set the Link / program switch on “ON”.
3) Insert the two supplied batteries into their device’s lodgments.

Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

LINKING - WAKE-UP– RECOVERY

“Wake-up” linking consists in associating one or more child devices to the Taurus system altogether in a single operation.
Wake-up is performed either through the **TauREX** software or the **TW-MTI-01/916** / **TW-MEC-01/916** keyboard-screen interface; it CANNOT be done through **TW-ME-01/916** devices.

1) Create the “virtual model” of the **TW-CP-R-01/916** either on **TauREX** or on the **TW-MTI-01/916** / **TW-MEC-01/916**.
2) Power-up the call point
3) Set the Link / program switch OPPOSITE to “ON”.
4) Trigger the wake-up procedure either from **TauREX** or from the **TW-MTI-01/916** / **TW-MEC-01/916**.
5) Wait the end of the “wake-up” linking procedure.
6) Check on **TauREX** or from **TW-MTI-01/916** / **TW-MEC-01/916** for linking success. Consult their user manual.

LINKING - ONE-BY-ONE - RECOVERY

"One-by-one" linking consists in associating one child device at a time to the Taurus system.
This operation is performed either through the **TauREX** software or the **TW-MTI-01/916** / **TW-MEC-01/916** keyboard-screen interface; it CANNOT be done through **TW-ME-01/916** devices.

1) Create the "virtual model" of the child device either on **TauREX** or on the **TW-MTI-01/916** / **TW-MEC-01/916**.

2) Trigger the linking procedure either from **TauREX** or from the **TW-MTI-01/916** / **TW-MEC-01/916**.

3) Power-up the child device

4) Set the child device's Link / program switch OPPOSITE to "ON".

5) Wait the end of the "one-by-one" linking procedure.

6) Check on **TauREX** or from **TW-MTI-01/916** / **TW-MEC-01/916** for linking success. Consult their user manual.

FIXING THE BACK BOX

To fix the back box to the wall, use the supplied screw and plug fixings. Fixing holes are indicated in picture 1.

DEVICE BLOCK INSTALLATION / DEINSTALLATION

Use all 4 fixing points.

To install the device block to the back box:

1) Hook up the upper rear of the device block to the back box as in picture 2.

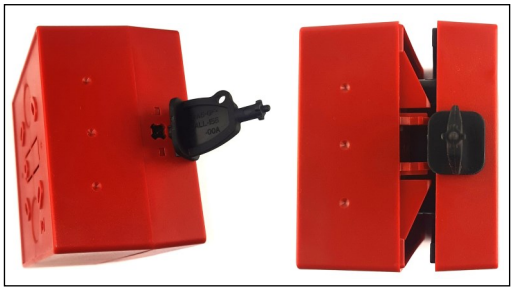
2) Push the bottom of the device block until you hear the snap of the back box's latch.

To deinstall the device block from the back box:

1) Push in the device block latch as illustrated in picture 3. Use the latch release pins on the reset key.

2) Remove the device block.

Picture 2



Picture 3

ACTIVATION / DEACTIVATION

To activate the call point:

1) Press the center of the front window.

A yellow-black oblique stripes bar raises on the bottom of the window.

To deactivate the call point:

1) Insert the reset key into the activation release hole.

2) Turn the key clockwise until you hear a snap sound.

Picture 4

Picture 5

TESTING

Local safety standards may require you to test these devices on a regular basis.

1) Activate the call point.

LED indicator signals “Alarm activation”; the control panel receives the alarm message.

2) Deactivate the call point.

3) Reset the control panel.

BATTERY FAULTS AND BATTERY SUBSTITUTION PROCEDURE

When one or both batteries are low in charge, a specific fault message is routed to the control panel. If such event occurs:

1) Remove the device block from the back box.

2) Extract both batteries.

3) Insert both new batteries into their holders, oriented as per polarity marks. See **POWERING UP - DEVICE LINKED TO THE SYSTEM**.

4) Reinstall the device block.

When a low battery condition is indicated, both batteries must be changed altogether.

Batteries must be brand new.

Do not touch the Link / program switch.

Ensure that the batteries are installed properly, with their polarities matching the indications on the device.

TECHNICAL SPECIFICATIONS *

Specification	Value
Communication range with **TW-MTI-01/916**, **TW-MEC-01/916** or **TW-ME-01/916** network devices	200 m (in open space)
Wireless frequency band	916 MHz
Number of wireless channels	66
Radiated power	14 dBm (25 mW)
Operating temperature range	-10 °C to 55 °C
Maximum humidity (non condensing)	95% RH
Environmental application	Indoors
Dimensions	88 mm x 87 mm x 61 mm
Weight	160 grams (without batteries)

* See TDS-TWCPX technical specification document for further technical data.

Table 2

BATTERIES SPECIFICATIONS

Specification	Value
Batteries type	CR123A (3 V, 1.25 Ah)
Batteries lifespan *	10 years
Low battery threshold value (nominal)	2.850 V

* Batteries lifespan depends by environmental conditions, default monitor settings and link quality.

Table 3

WARNINGS AND LIMITATIONS

Our devices use high quality electronic components and plastic materials that are highly resistant to environmental deterioration. However, after 10 years of continuous operation, it is advisable to replace the devices in order to minimize the risk of reduced performance caused by external factors. Ensure that this device is only used with compatible control panels.
Detection systems must be checked, serviced and maintained on a regular basis to confirm correct operation. Smoke sensors may respond differently to various kinds of smoke particles, thus application advice should be sought for special risks. Sensors cannot respond correctly if barriers exist between them and the fire location and may be affected by special environmental conditions. Refer to and follow national codes of practice and other internationally recognized fire engineering standards.
Appropriate risk assessment should be carried out initially to determine correct design criteria and updated periodically.

Use only in Taurus fire detection and alarm systems.

WARRANTY

All devices are supplied with the benefit of a limited 3 years warranty relating to faulty materials or manufacturing defects, effective from the production date indicated on each product. This warranty is invalidated by mechanical or electrical damage caused in the field by incorrect handling or usage. Product must be returned via your authorized supplier for repair or replacement together with full information on any problem identified. Full details on our warranty and product’s returns policy can be obtained upon request.

Certified Product™
Australian Standard
SAI Global
Lic SMK41004
AS ISO 7240.25
AS ISO 7240.11