

SW-ATT-TAKRF

Installation and Operation Instructions

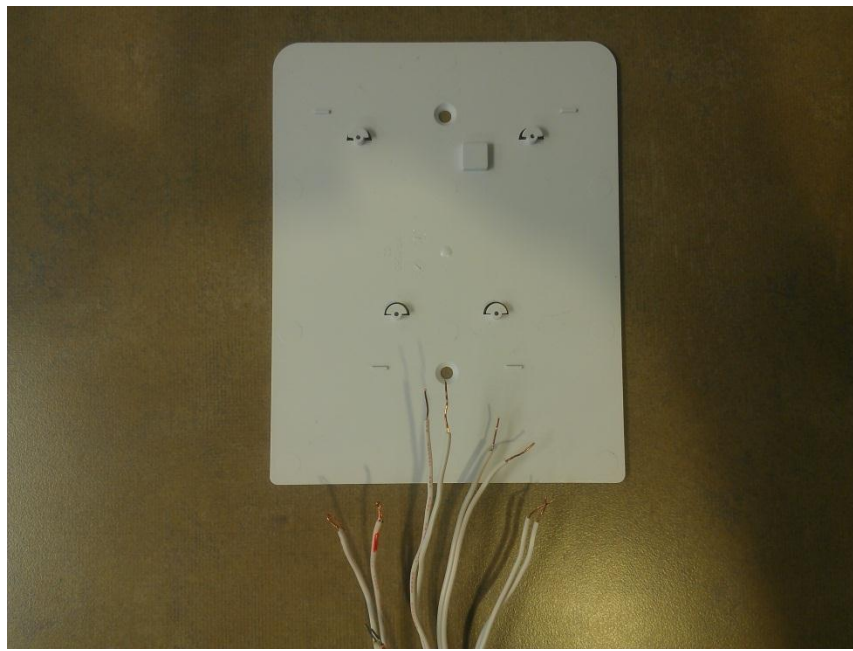
Operating Instructions:

The SW-ATT-TAKRF is designed to convert 8 hardwired zones into eight wireless zones, make installation simple, and work with existing control panel wiring. The module is to be mounted next to the existing wired control box where the hardwired zones are connected. All of the zones in the TAKRF act as supervised wireless zones to the Digital Life panel.

Installation and Mounting Guidelines:

Screw the mounting bracket to the wall with the included hardware. The bracket and TAKRF must be mounted within RF range of the Digital Life panel.

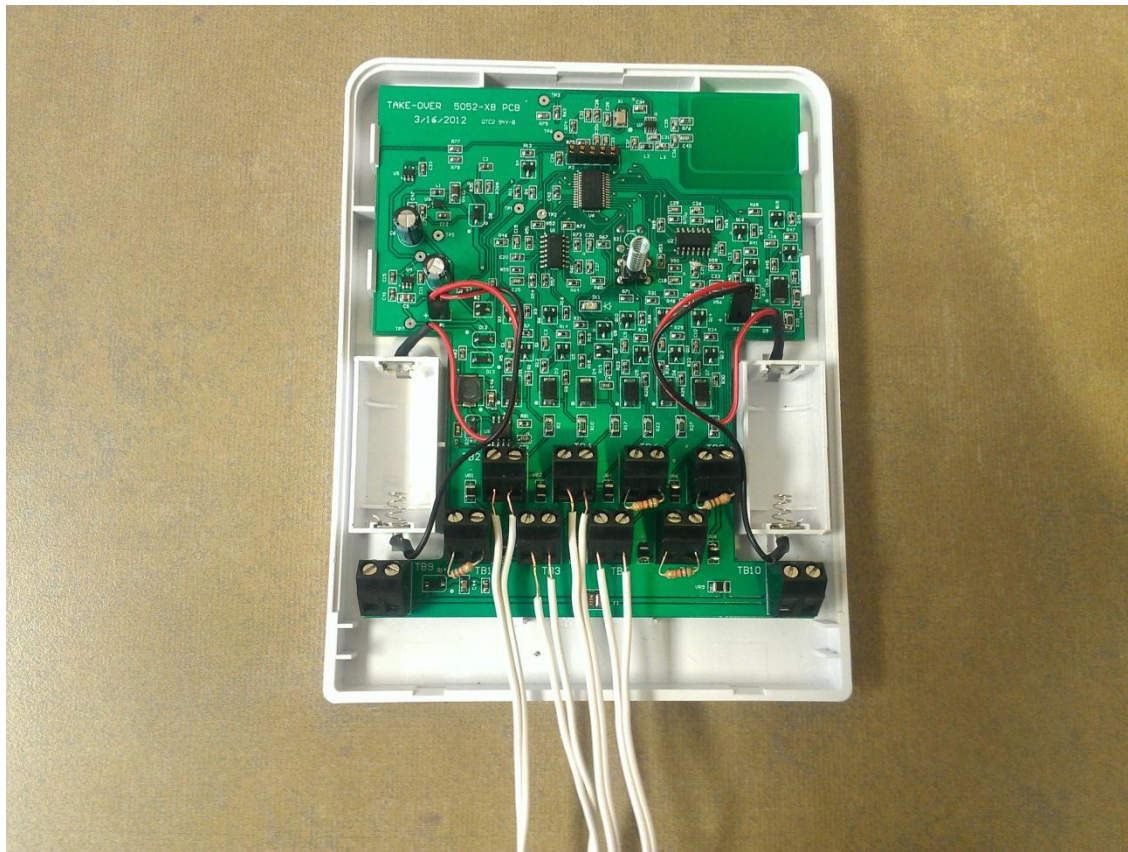
NOTE: Signals will not be received if the TAKRF is not within range of the Digital Life Panel.



Connecting wired zones:

The TAKRF determines the presence and status of each zone based on the zones loop resistance. Each wired zone is supplied with a 5.1K Ohm resistor installed. Before using the prewired zone, close all the contacts in the zone and confirm that the zone resistance is between 2.2k and 6k Ohms.

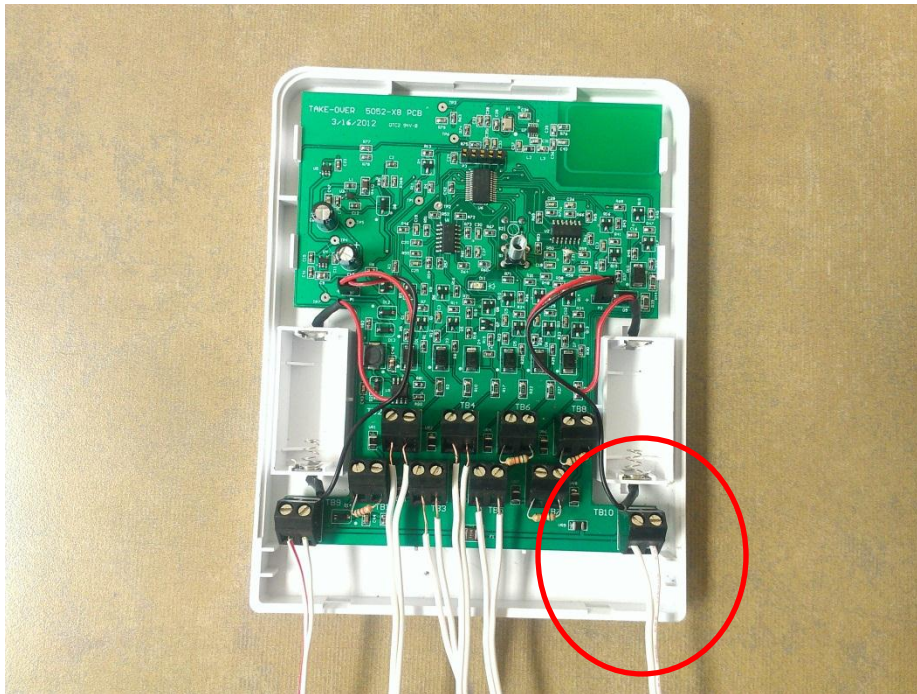
1. Remove AC power from the existing wired panel
2. Remove leads from battery on existing wired panel
3. With power removed, disconnect the hardwired zones from the existing panel.
4. Remove the supplied resistor from the zone(s) connector to be used.
5. Each hardwired zone wire pair goes to a pair of connectors TB1 – TB8 on the TAKRF.



Optional – Connecting the ATT Digital Life Keypad:

The TAKRF can be used to power the PAD2W Digital life keypad. This can be done using an existing pair of wires to the previous keypad location.

1. Remove AC power from the existing wired panel
2. Remove leads from battery on existing wired panel
3. With power removed, disconnect the keypad wires from the existing keypad.
4. Replace the existing keypad with PAD2W (see PAD2 instructions), remember which wires were used for DC+ and – to the keypad.
5. Wire the DC+ and DC- keypad wires to TB10.



Connecting power:

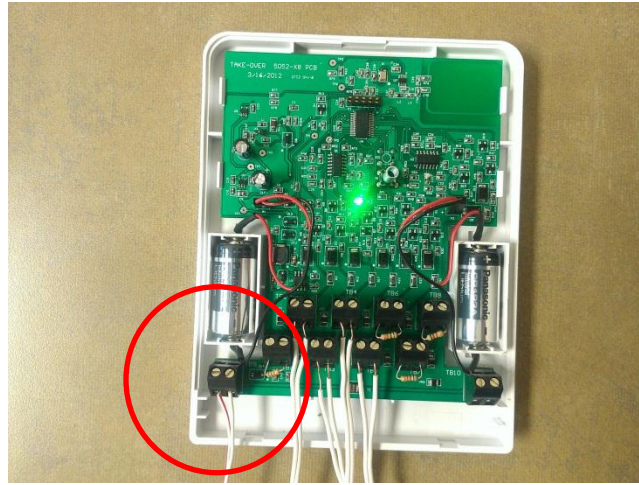
The TAKRF is supplied by 9-16VDC. This can be supplied from the included power supply. Optionally, the power supply from the existing wired panel may be used. For a UL listed installation, the supplied power supply must be used.

The TAKRF also has included replaceable CR123A batteries for battery backup. The TAKRF does not recharge these batteries. The TAKRF does monitor the batteries and power supply

and will signal the Digital Life controller when the TAKRF has changed from AC to DC power and vice-versa, and when the batteries are low.

The green LED on the TAKRF is on solid when the battery is OK, flashing when the battery is low, and off when not powered at all.

1. Connect the power wire pair to TB9. Polarity matters, + is on the left side, - is on the right.



2. Install the 2x CR123A batteries as shown.
3. Paying attention to the polarity indicated on the included power supply, connect the two power wires to the power supply.
4. Plug in the power supply to the AC outlet. For U.S. installations only use the supplied power cube mounting bracket. Not for use in Canada.



5. Optional – Paying careful attention to the polarity, attach the power wires to the power supply on the previous hardwired panel. If a battery from the previous panel is used to power the keypad, confirm the voltage and condition of the battery before using.

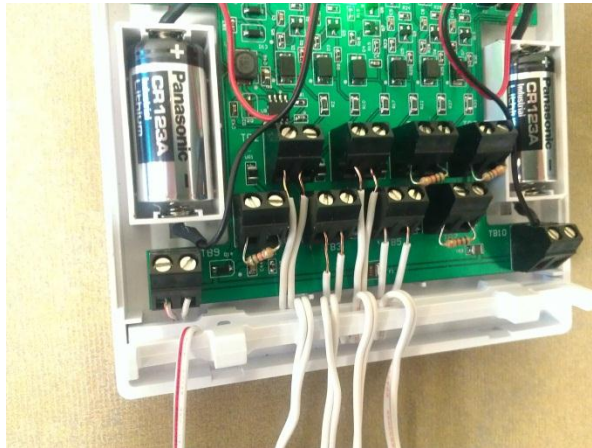
Enrolling the Transmitter:

(Per ATT requirements – suggest to use the battery install power up transmission or the tamper switch)

Once the TAKRF is enrolled into the Digital Life panel, the panel automatically knows the corresponding zone. Each zone DOES NOT need to be enrolled individually.

Final installation:

1. Use the included strain relief bracket to prevent wires from being accidentally pulled out of their connectors.
 - a. Slide bracket over all the wire pairs. The wire pairs go into the long slot.
 - b. Turn the bracket half a turn to capture the wires.
 - c. Slide the bracket into the slots on the case back.



2. Attach the case front by snapping it to the case back. Be careful to capture the strain relieved wires.
3. Attach the TAKRF to the wall mount bracket by aligning the bracket posts with case holes and sliding the case down.



Important:

1. All of the zones in the TAKRF are “normally closed” zones.
2. The loop resistance should be between 2.2k and 6k Ohms. If the loop resistance is out of range, then the end of line resistor must be changed or the wiring must be repaired.

WARNING: The TAKRF cannot be used to power or monitor any type of Fire or CO detection zone.

NOTICE: The TAKRF does not power or monitor PIR or Glass Break devices.

SPECIFICATIONS:

Wireless signal range:	??? 350ft, open air
Code Outputs:	For device: Power up, Tamper, Low battery, Supervisory, AC power, DC (battery) power For each Zone: Open, Short, Restore
Transmitter frequency:	433.92 MHz +/- ???
Supervisory Interval:	60-70 min
Peak Field Strength:	????
Dimensions:	Approx 4.75 x 3.00 x 1.5 in
Weight:	Approx 8.0 Oz
Housing:	ABS plastic
Color:	White
Operating Temperature:	32F to 120F (0C to 49C)
Relative Humidity:	5-95% non-condensing
Operating Voltage:	9-16 VDC, ???mA
Regulatory Listing(s)	UL, FCC part 15 (both pending)
Included Accessories:	Mounting plate, two (2) screws, two (2) plastic drywall anchors, one (1) 14VDC power supply

IMPORTANT INFORMATION ABOUT RADIO DEVICES

1. AT&T radio controls provide a reliable communications link and fill an important need in portable wireless signaling. However, there are some limitations which must be observed.
2. For US installations only: the radios are required to comply with FCC rules and regulations including FCC part 15 devices. As such, they have limited transmitter power and therefore limited range.
3. A receiver cannot respond to more than one transmitted signal at a time and may be blocked by radio signals that occur on or near their operating frequencies regardless of code settings.
4. Changes or modifications to the device may void FCC compliance
5. Infrequently used radio links should be tested regularly to protect against undetected interference or fault.

6. RF signals can be affected by metal objects including metal doors or large mirrors. Care should be taken to avoid these objects during installation as they can interfere with proper operation.



FCC compliance statement

This device complies with FCC Rules and Regulations as Part 15 devices as well as Industry Canada Rules and Regulations. Operation is subject to the following two conditions:

1. This device may not cause harmful interference.
2. This device must accept any interference received, including interference that may cause undesired operation. Changes or modifications not expressly approved by the party responsible for compliance could void the user's authority to operate the equipment.

Conformité Réglementaire

Ce dispositif est conforme à la réglementation de la IC et (Partie 15) de la FCC. Son fonctionnement est soumis à deux conditions : (1) ce dispositif ne doit pas causer d'interférences nuisibles, et (2) ce dispositif doit accepter toute interférence reçue, y compris les interférences pouvant entraîner des conditions de fonctionnement indésirables.

WARNING: The polarity of the battery must be observed. Improper handling of lithium batteries may result in heat generation, explosion or fire which may lead to personal injuries. Replace only with the same or equivalent type of battery as indicated in the General Specifications.

Batteries should not be recharged, disassembled or disposed of in fire.

Disposal of used batteries must be made in accordance with the waste recovery and recycling regulations in your area.

Notice to users in California—CR Coin Cell Lithium Battery information: This product contains a CR Coin Cell Lithium Battery which contains Perchlorate Material—special handling may apply See www.dtsc.ca.gov/hazardouswaste/perchlorate.