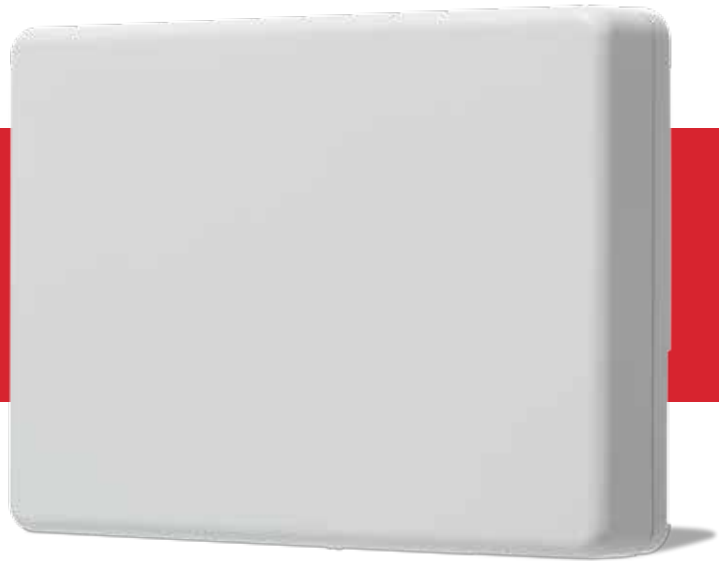# DSC

From Tyco Security Products

PowerSeries 2-Way Wireless Transceiver
TR5164-433

Features That Make a Difference:

- Supports both 2-way and 1-way wireless devices

- Supports 4 wire-free keypads WT5500

- Supports 60 wireless zones

- Supports 16 Wireless Keys (any combination of 1-way or 2-way wireless keys)

- 8-partition support for 1-way wireless keys

- Case/Wall tamper

- Compact design

- Easy wireless enrollment process with WT5500

- 3 status LEDs

- Compatible with PowerSeries v4.6+

Transform any PowerSeries Control Panel into a Wireless Alarm System with the TR5164 Wireless Transceiver

The TR5164-433 wireless receiver transforms any PowerSeries control panel into a wireless alarm system capable of supporting up to 4 wire-free keypads, 60 wireless zones and 16 wireless keys (wireless keys do not use up zone slots).

The TR5164-433 is compatible with all PowerSeries PC 1616, 1832, 1864 control panels v4.6+.

Wireless Convenience

Reduce installation time and provide coverage for areas where running wire is not an option.

2-Way Wireless reduces the time spent enrolling compatible wireless devices. Installers confirm Electronic Serial Numbers (ESN), zone numbers and zone type through a series of user friendly screens.

Placement Testing

The proposed placement of each wireless device should be tested before it is mounted. Testing the

signal strength between the TR5164-433 and wireless devices can be accomplished in a group (global placement testing) or individually.

To ensure placement is well within wireless range, while in test mode, the sensitivity of the receiver is reduced. This will assist installers to confirm that the installation has been properly set up and can tolerate changes in the environment.

Status LEDs

The TR5164-433 features three status LEDs to help with the installation of wireless devices and troubleshoot the operation of the receiver. The LEDs flash to indicate whether the signal received is from an enrolled device or if interference is detected.

When in individual placement test mode, the receiver will flash green only if the serial number of the device being tested is received. All other signals, including signals from valid enrolled devices, will flash red.

Compatible Wireless Devices

Please refer to the instruction sheets of the following devices for more information.

The TR5164-433 can receive signals from the following devices:

Alarm Panel:
PowerSeries v4.6+

Keypad:
WT5500-433 v1.4+

Wireless Key:
WS4939, WS4949, WS4959, WS4969, WT4989

Panic Pendant:
WS4938, WS4938-2W

Hold-Up Alarm:
WS4928

Smoke Detector:
WS4916**, WS4926**

CO Detector:
WS4913**

Door/Window Contact:
WS4945, WS4945CB, WS4965, WS4975,
EV-DW4917, EV-DW4955, EV-DW4975*

Glassbreak Detector:
WLS912L-433

Flood Sensor:
WS4985

Shock Sensor:
EV-DW4927SS

Repeater:
WS4920-433

Motion Detector:
WS4904, WS4904(P), WLS914-433

* Available in North America, South America and New Zealand only.

** For Residential Fire installations, two WS4920 repeaters must be used.

Ordering Information

TR5164-433..................... 2-Way Wireless Transceiver

Specifications

Dimensions ....(5-3/4" x 4-1/8" x 1")
(146 mm x 105 mm x 25 mm)

Current Draw ....60 mA

Frequency ....433.92 MHz

Location ....can be wired up to 750 ft/230 m
from the main panel with 22 gauge wire

Operating Temperature ....-10 to 55 °C (14-131 °F)
Note: UL/ULC tested for 0°C to +49°C (32-122°F), 85% R.H.

Input Voltage 12Vdc

Weight ....5.36 oz (152 g)

Relative Humidity ....93% non-condensing