TR5164 Design Notes

The TR5164 brings DSC's 2-Way Wireless capability to the PowerSeries product family, offering the flexibility to add 2-way wirefree keypads and 2-way wireless keys to the PowerSeries system.

Several design considerations have been implemented to ensure maximum compatibility between PowerSeries and WT5500 features; however, some design differences must be considered when using this combination of products.

Please review the summary notes below before installing these products.

- The TR5164 is compatible with the following product versions:
  - PowerSeries v4.6 and higher
  - WT5500 v1.41 and higher
  - WT4989

  NOTE: The TR5164 does not support 2-Way sirens.

- WT5500 keypads natively support 1 partition and will be assigned to Partition 1 automatically. They cannot be assigned to other partitions and do not support any functions related to partitions 2-8.

- Due to differences in their menu structure, some PowerSeries features are not accessible via WT5500.

  Example: User Codes 1-16 & 40 are presented in WT5500 menu, 17-89 are accessible via hotkey only, and 90 and higher are not accessible.

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- Also, some WT5500 functions are not supported on PowerSeries. An error tone sounds when attempting these functions.

  Example: Instant Arm and Night Arm are not supported on PowerSeries.

- The TR5164 automatically handles 1-way and 2-way wireless device serial numbers. This enables enrollment of devices with either 8 digits or 6 digits via any keypad. See section 3.4 of the Installation Manual for more details.

- Label broadcasting is available via TR5164. Labels can be broadcast from WT5500 keypads to other WT5500 keypads, and from PK5500 keypads to WT5500 keypads. Please note that labels cannot be broadcast from WT5500 keypads to PK5500 keypads.

- The TR5164 allows auto-enrollment of WT5500 keypads on power-up. Device Quick Enroll is also available via WT5500 keypads. See sections 3.1 and 3.2 of the Installation Manual for more details.

- Zones 29-32 are reserved as "WT5500 Supervision Zones" during the auto-enrollment process. These zones are used for supervision of Low Battery and Tamper conditions on WT5500 keypads. As a result, the total zone capacity of the TR5164 is 60 zones. See section 3.1 of the Installation Manual for more details.

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