

# Field Notes Bulletin

## Challenger10: WDGP Compatibility

### Introduction

Wireless Data Gathering Panels (WDGPs) with firmware designed for use with Challenger V8 are compatible with Challenger10 and up to 32 inputs can report via each DGP address. However, there are two known issues:

- Inputs numbers displayed on an LCD RAS are incorrect for any DGP address higher than DGP 1.
- Do not use WDGP model CA1230 at DGP address 32.

### Issue 1

When programming a WDGP via RAS, the 16 or 32 input numbers are based on Challenger V8 numbering. This affects DGP addresses higher than 1 because of the following:

- Challenger V8 has a default value of 16 inputs per DGP address, with an option of 32 inputs (at the expense of the next higher DGP address). A WDGP at address 1 can have 32 inputs numbered 17 to 48, as long as DGP 2 is not polled. Input 49 would be on DGP 3.
- Challenger10 has a default value of 32 input numbers per DGP address. A WDGP at address 1 can have 32 inputs numbered 17 to 48. Input 49 would be on DGP 2.

**Note:** This issue affects only the display of input numbers via LCD RAS when programming a WDGP. The reporting of WDGP inputs to the Challenger10 panel is not affected.

### Solution 1

If programming a WDGP at address 2 or higher, ignore the input number range displayed on the LCD RAS. Refer to the section “Zone input numbering” in the *Challenger10 Programming Manual* for the correct input number range.

## Issue 2

WDPG model CA1230 at DGP address 32 will not respond properly to polling after the Challenger10 is power cycled.

## Solution 2

Use WDPG model CA1230 only at DGP addresses 1 to 31.

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