# Application Notes

**DSC**

## 1.23 Periodic Test Transmission *(PC1616/1832/1864 V4.2)*

**Panels:**

POWER SERIES (PC1616/1832/1864 V4.2)

**Overview:**

All PowerSeries control panels can be programmed to transmit a periodic test transmission to the central station. In addition, the PC1616/1832/1864 V4.2 can be programmed to transmit a periodic test transmission if a trouble condition is present at the time of the test transmission.

Programming a periodic test is a seven-step process:

- Program the central station phone number
- Program the account number
- Program the communicator format
- Program the periodic test transmission reporting code
- Program the system test call direction options
- Program the periodic test transmission cycle
- Program the periodic test time of day

**Program Sections:**

| | |
|---|---|
| Section [301] | Phone Number 1 |
| Section [310] | Account Number |
| Section [350] | Communicator Format Option |
| Section [348] | Test Transmission Reporting Code |
| Section [375] | System Test Transmissions Call Direction Options |
| Section [377] | Communication Variables |
| Section [378] | Test Transmission Time of Day |

**Step 1 – Program the Telephone Number**

Program the central station phone number in Section [301].

**Step 2 – Program the Account Number**

Program the account number in Section [310].

**Note:    If a pulse format or a Contact ID format is being used, program a HEX digit [A] for any digit '0' in the account number.**

**Step 3 – Program the Communication Format**

Program the communicator format in Section [350].

**Step 4 – Program the Periodic Test Transmission Reporting Code**

Program the reporting code for the Periodic Test Transmission with Trouble and the Periodic Test Transmission reporting codes - Section [348].

**Note:    If using either Automatic Contact ID or Automatic SIA, leave the reporting code as data [FF].**

**Note:    'Periodic Test Transmission with Trouble' will send if the panel has a system trouble at the time of the transmission.**

**Step 5 – Program the Communicator Call Direction Options**

Program the panel to transmit the test transmission reporting codes to the 1st Phone Number – Section [374], Option [1] ON.

**Step 6 – Program the Periodic Test Transmission Cycle**

Program the number of days between test transmissions – Section [377].  For example, if a seven-day test is needed, program data [007].

**Step 7 – Program the Periodic Test Transmission Time of Day**

Program the time to send the test transmission - Section [378], using military time. For example, to send a test at 10:30 pm program data [2230].

**Technical Tips:**

1. The panel will transmit the first test transmission at the programmed time.  The next test transmission will be transmitted after the programmed number of days.
2. If the number of days between test transmissions is changed, a power down/power up will be required to reset the day counter.  The panel will report the next test transmission at the programmed time, then send additional tests after the number of days programmed.

**Quick Test Procedure:**

Change the time to one minute before the programmed test time.  Wait one minute.  Verify the panel reports the test transmission one minute later, then reprogram the correct time and date in the panel.