

CNX 3000

Wireless Multimeter

Instruction Sheet

Remote Operation

The Product uses low-power 802.15.4 wireless technology to show measurements from a maximum of three CNX 3000 Series Wireless Modules. One of the wireless modules can be a CNX 3000 Wireless Multimeter. The Product cannot control other DMMs or modules. The wireless radio does not cause interference with meter measurements.

Discovery of Modules

The term “discovery” in this manual refers to a procedure the Product does to look for compatible radio signals emitted by CNX 3000 Series Wireless Modules. The term bind or bound means the Product has made a wireless connection to a module.

Before you start the discovery procedure, make sure the radio in each module to bind to is turned on.  must show in the display of each module.

When you first turn on the Product, the radio is off. Push  to turn on the radio and start the discovery procedure.  shows in the display when the radio is turned on.  flashes in the display while the Product searches for the radio signal of other modules.

When a module is discovered by the Product, that module is given an ID number. The Product starts with 1 and sets wireless module ID numbers in sequence to ten. The ID number and the module model number are shown in the display of the Product. The ID number is also shown in the module display.

When the Product completes the discovery procedure,  stops flashing in the display.

Note

If modules are not discovered after 2 minutes, the radio turns off.

At the end of the discovery procedure, all discovered modules shown in the display have a black number on a grey background. See Figure 1. This shows the modules to which the Product is bound. Although the display can only show three modules, the Product can discover and temporarily bind to a maximum of 10 modules.

Note

To bind a module to the Product after the discovery procedure has completed, you must turn off the radio. Turn on the radio again to start the discovery procedure.

The number of the module at the top of the list flashes to show it is highlighted. Push  to move the highlight to the next module in the list.

The Product stays in the module selection mode for approximately 2 minutes. To select a module to bind to the Product:

1. Push  until you highlight the module to bind.

Note

The radio button () on the module highlighted in the list flashes at a faster rate. This helps identify the highlighted module.

2. Push **SELECT**. The number of the selected module will change to a grey number on a black background. See Figure 1.
3. Do steps 1 and 2 again for each module to bind to the Product. The Product can bind to a maximum of three modules.
4. You can wait for the module selection time to complete or push and hold  for 2 seconds to end the module selection mode.

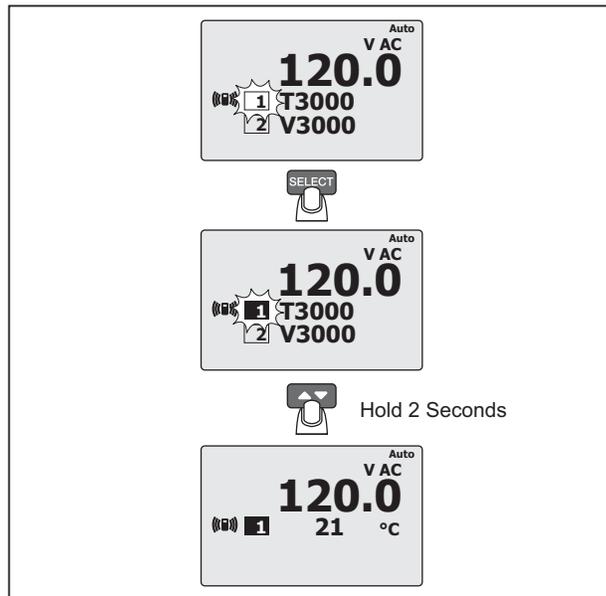


Figure 1. Module Binding Procedure

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When the module selection mode ends, all modules that were set to bind show in the display. All modules not selected go out of view.

Note

If you do not select modules, all modules shown in the display are bound to the Product when the module selection mode ends.

The model number of each bound module is replaced with the module measurement. The radio button on the Product and each module bound to the Product, flashes one time in a 5 second interval. The radio button on each non-bound module does not flash.

You can identify which measurement in the display of the Product belongs to which module with the ID number set when the module bound with the Product. Look for the module with the same ID number in its display. To help identify which module is shown in the Product display when the module display cannot be seen, push  to select a module in the list. The radio button () on the module the measurement in the Product display represents flashes at a faster rack.