

WattsOn RDM - Quick Guide

- ❑ Requires 15-24Vdc/ac
- ❑ **WARNING:** DO NOT CONNECT POWER SUPPLY TO RS-485 TERMINALS. Doing so may permanently damage the display and/or power supply.

Display modes:

“Normal” mode:

- Left/Right keys change screens
- Up/Down keys select parameter for “large text”
- Center key engage “large text” mode
- Holding Center key (about 3 seconds) enters Configuration Mode (when on “Cost” screen, it will enter the cost configuration screen).
- Holding Left + Right keys (for about 1 second) enters Information mode

“Large Text” mode:

- Center key exists to normal mode

“Configuration” mode:

- **System:** Selects type of system being measured. Selections include:
 - 3 phase, 4 wire system (shows L-N and L-L voltages)
 - 3 phase, 3 wire system (shows L-L voltages only)
 - Split ($V_{tll} = V_a + V_b$ and $I_{tll} = I_1 + I_2$)
 - 3 x 1 phase (no sums shown)

Each selection also has a “BiDi” mode meaning that bi-directional energy information is displayed

- **Address:** Address of the power meter to be displayed
- **Mode:** Mode of operation, either “Master” or “Snoop”. In “MASTER” mode, the display acts as the RTU master in the chain. There may only be one RTU master in the chain, therefore this configuration is best when no other devices are present on the RS-485 network. “SNOOP” mode allows the display to listen to data packets to/from the meter. There must be an RTU master that queries the meter for the appropriate data. A query of all the floating point registers typically provides the necessary data.
- **Backlite:** Configures the duration the backlight stays on. A value of 0 keeps the backlight on indefinitely.

When in “MASTER” mode, the configuration screen may be advanced to configure meter data by pressing “Right” arrow key. This enables the configuration of CT and PT ratios.

“Information” mode:

- Using Up/Down keys changes contrast
- Center key returns to “Normal” mode