# Connecting the Belkin WeMo Maker to DS Series Sensors

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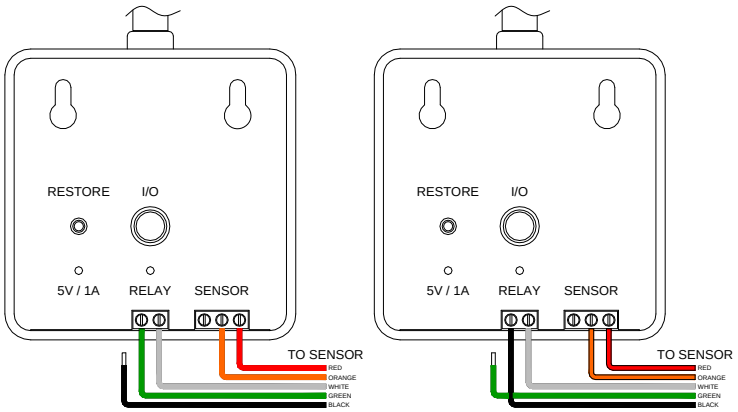
Rev 1.0  11-19-15

The Belkin WeMo Maker lets you control low-voltage electronic devices with an Android or IOS smartphone or tablet. It's easy to use and works over your Wi-Fi network. The device can be used with any DS Series sensor for remote control & monitoring. Control & monitor proper operation at your vacation home, outbuilding, remote communications shelter, lake cottage, barn, construction trailer, any remote facility that has power and Internet access.

The WeMo Maker is easy to set up and connect to your Wi-Fi. Complete instructions are included with the device. The unit does require an electrical outlet for power. It will remember its last state if power is lost and will return to that state once power is restored. The remote MONITOR contacts of the attached DS sensor are connected to the SENSOR input of the WeMo Maker as shown in the diagram. As the sensor activates and deactivates the WeMo Maker will detect the monitor relay contact changes and update the application status of the unit on the smartphone.

The WeMo Maker can be wired to control the sensor in one of two ways as shown. The unit can be wired to select STANDBY mode or to select MANUAL ON mode. When released, the sensor will revert to AUTOMATIC mode. **Note that all three sensor override modes, STANDBY, AUTOMATIC, and MANUAL ON, cannot be remotely selected with a single WeMo Maker.** However, by placing the sensor into MANUAL ON mode using the override switch on the side of the sensor and wiring STANDBY to the WeMo Maker, the user can effectively toggle the unit between STANDBY and MANUAL ON modes **but cannot select AUTOMATIC without moving the override switch.**




ON = STANDBY
OFF = AUTOMATIC

ON = MANUAL ON
OFF = AUTOMATIC

The WeMo Maker can also be used with a CDP-2 Remote Control/Display Panel. The unit is simply wired in parallel with the CDP-2. It is actually preferable to use the WeMo Maker as the "junction point" as the terminal blocks on the device more easily accept two wire leads. Extend the wiring, color for color, and splice an extension onto the unused control lead, be it the Black MANUAL ON or Green STANDBY wire. Activation of the WeMo Maker will be displayed on the CDP-2 in the same manner as the sensor override switch. If wired to MANUAL ON and activated the CDP-2 MANUAL ON indicator will blink. If wired to STANDBY and activated the CDP-2 STANDBY indicator will blink. Note that, if the sensor switch is placed in MANUAL ON and the WeMo Maker is wired for STANDBY and activated the CDP-2 will go dark and stop operating. The operator will not be able to use the CDP-2 but the remaining equipment will still function. As soon as MANUAL ON or STANDBY are released by moving the switch or toggling the WeMo Maker the CDP-2 will begin indicating again. Though CDP-2 control will be temporarily lost this is a valid and safe mode of operation if the functions described are needed. Though not shown, the interconnect cable used from sensor to WeMo Maker should always be shielded, stranded, tinned copper leads (CS-50 style) with the shield drain wire terminated to earth ground on one end only. The same is true if extending the WeMo Maker to a CDP-2.