KISAE RM1201-00 REMOTE SWITCH

FOR SINGLE INVERTERS (KISAE # MW1210, MW1215, SW1210, SW1220)

Introduction:

The RM1201 is a simple push button switch mounted on a small metal panel, for remotely turning on and off the single inverter. It includes a 20ft cable with an RJ11 (phone) plug to be connected to the matching jack on the inverter front panel. The new version (the most available now) comes with a green LED light to indicate the power status.

Note: The new version of RM1201-00 with the green LED light "power on" indicator is compatible with **all** single inverters. You can use all the versions of RM1201-00 (with and without the green LED light) for all the versions (new and old) of single inverters, for turning the unit On and Off. However, the green LED light, if any, only works on the new version of single inverters. The new versions of RM1201-00 and single inverters started at the end of 2013.

Using multiple switches per unit:

You can use multiple optional remote switches KISAE # RM1201-00 per inverter, connecting them through a standard RJ-11 phone jack splitters ("Y" connectors) not included. This could be useful in some applications where the customer needs to turn the inverter on and off from multiple separate places. We tested up to 4 remotes in the same unit, without an important dimming of their LED green lights.

There is no risk to damage (overloading) the related circuit when using multiple remote switches (in spite of the quantity) since the shared current is always limited inside the unit.

In this sense, let us point out the following:

- The remote switch panel KISAE # RM1201-00 has a normally off push button (momentary-on switch) connected in parallel to the power pushbutton on the front panel of the unit.

- From the push button point of view, it would be OK using multiple remote switches without any quantity limitation.
- However, each remote switch may have (new version) a green LED light being fed by the front panel circuit board of the inverter, through a common and unique resistor (to limit the current). Therefore having additional remote switches connected in parallel through the RJ-11 splitters, means all the LEDs will be in parallel as well, sharing the current. Therefore, the brightness of each LED should drop a little in relation to the one LED case. The LEDs brightness should be approximately the same (matching), even if less
- After testing in the lab, we can confirm you can use up to 4 remote switches (KISAE RM1201-00) to your single inverter without significant brightness dropping on the green LED indicators.

The only potential problem using some bigger splitters (i.e. the triplex shown below) could be their wider dimension, blocking the access to the USB port on the front panel. There are other types of adapters with the plug at the edge of a short cable jumper and not in the plastic body, so they would not block the USB port. For the 2-in-1 RJ-11 "Y" plug adapter (shown below) should not be any problem.

Examples of RJ11 phone splitters easily available in the market: