



Technical Bulletin

Using a Macro to Set Transmitter Power Level

Scope

This document describes how to use a macro to adjust transmitter power when individual raise or lower commands do not provide large enough changes in power level. This approach works for systems utilizing either SNMP or traditional parallel I/O for transmitter monitoring and control.

Raise and Lower Commands

Typically, commands for raising and lowering the power on a transmitter only change the power level in small increments. This requires users to issue multiple raise or lower commands to reach a desired power level. In cases where you need to make a bigger change in power, a macro can be used to issue the required number of raise or lower commands to the transmitter. A single command can be configured to initiate the macro, eliminating the need to manually issue multiple raise or lower commands.

Macro Example

The macro example below is designed to raise the transmitter power to 300 W. First, the current power level is tested. If it is below 300 W, the macro will raise the power, wait 1 second, then recheck the power level. The macro will loop until the desired power level is reached, then will terminate.

```
1 : If (new) value of "Fwd Pwr" on site "localsite" < 300, goto line 3
2 : End macro
3 : Raise "Raise Power" on site "localsite" for [default]
4 : Wait for 00:00:01
5 : Goto line 1
```

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