**Additel 671**

27 Sept 2016

* Requires a non-traditional termination character – a decimal “0”
* Must use a GetCommand macro to append “0” to end of the command string(s).
* Has a High and Low range.



The Command and Response Terminator fields should be empty (delete):



Two Outputs – both are of traditional configuration; Raw-to-Final output is <Same>. Use Tolerance of ±0.02% Span. The specifics of each output are in the Edit Commands subsection.



Edit Commands, “Hi P Sensor”:

Call GetCommand macro “CSwitchRange0”. Use a two second delay to allow for hardware change.



Call GetCommand macro “HPMValue”. Manipulate the response by stripping all characters up to the third appearance of a semi-colon. The 761 return string echoes the command line with the measurement appended to the end. See inset below.



Edit Commands, “Low P Sensor”:

Call GetCommand macro “CSwitchRange1”. Use a two second delay to allow for hardware change.



Call GetCommand macro “HPMValue”. Manipulate the response by stripping all characters up to the third appearance of a semi-colon.



Macros: Create new GetCommand macros.

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*'Appends a HEX NULL character ("0") to the end*

*'of the command string.*

*'The Additel requires a nonstandard terminating character instead*

*'of the traditional <CR>,<LF> options.*

*'This macro is called in lieu of the normal INITIALIZE command string.*

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

**Function** **CSwitchRange0**(Target, ChnlSt, SetMode, ParamID, cDevice)

**CSwitchRange0** = "001:W:CSWITCHRANGE:0" & **Chr**(0)

**End Function**

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*'Appends a HEX NULL character ("0") to the end*

*'of the command string.*

*'The Additel requires a nonstandard terminating character instead*

*'of the traditional <CR>,<LF> options.*

*'This macro is called in lieu of the normal INITIALIZE command string.*

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

**Function** **CSwitchRange1**(Target, ChnlSt, SetMode, ParamID, cDevice)

**CSwitchRange1** = "001:W:CSWITCHRANGE:1" & **Chr**(0)

**End Function**

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*'Appends a HEX NULL character ("0") to the end*

*'of the command string.*

*'The Additel requires a nonstandard terminating character instead*

*'of the traditional <CR>,<LF> options.*

*'This macro is called in lieu of the normal READ command string.*

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

**Function** **HPMValue**(Target, ChnlSt, SetMode, ParamID, cDevice)

**HPMValue** = "001:R:HPMVALUE" & **Chr**(0)

**End Function**

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

*'Appends a HEX NULL character ("0") to the end*

*'of the command string.*

*'The Additel requires a nonstandard terminating character instead*

*'of the traditional <CR>,<LF> options.*

*'This macro is called in lieu of the normal READ command string.*

*'\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\**

**Function** **LPMValue**(Target, ChnlSt, SetMode, ParamID, cDevice)

**LPMValue** = "001:R:LPMVALUE" & **Chr**(0)

**End Function**