

# Output Status

## General Description

Rantec's HDM Series DC-DC converter modules provide an Output Good signal that can be used as a 'state of health' (SOH) report or to activate an external Output Good LED indicator. This signal is an Active Low signal when the module is within +/- 10% (9-11%) of its set output voltage (factory set or customer trimmed voltage), referenced to the output Sense.

## Operation

The Output Good signal provides an open collector until the module is within +/- 10%, then Q1 conducts to provide an active low signal. The Output Good pin is capable of sinking a maximum of 15mA (recommended 4mA nominal) from an external source with a maximum of 40V. The active low saturation voltage is 0.5V or less, at 1.5mA sink current. See Figure 1 for a recommended Output Good circuit.

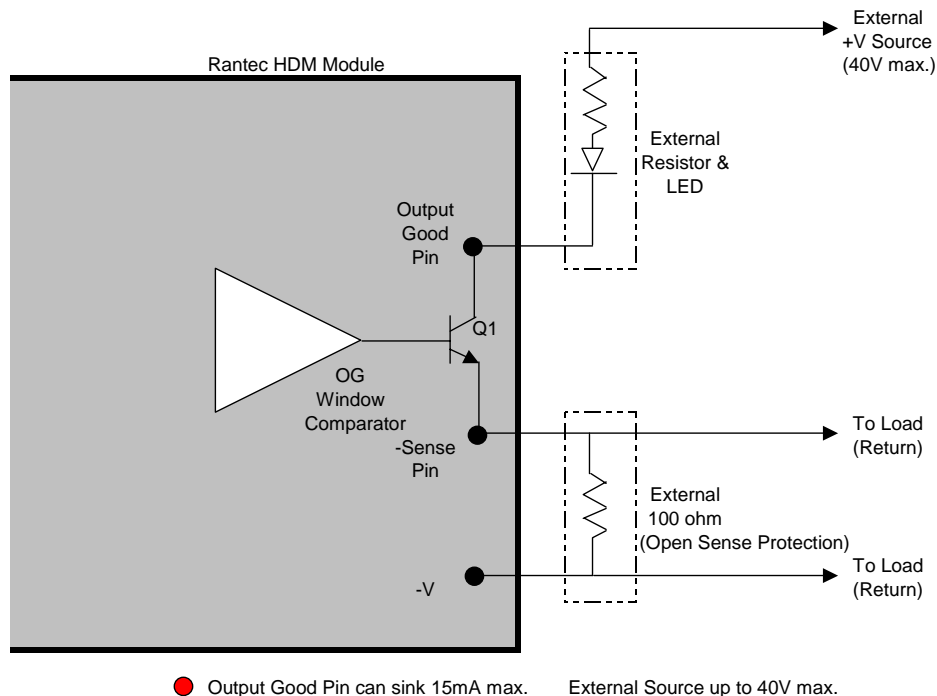


Figure 1 – Recommended Output Good Circuit for Rantec HDM modules

Please consult factory for more information.