

## No Load Diagnostic

This optional diagnostic can be enabled or disabled for individual outputs.

For a new block, outputs are configured to report No-Load conditions. In this configuration, energizing the output activates a no-load current level. If the load does not continuously draw 50mA from the output circuit, the block sends a NO LOAD message. Because this diagnostic monitors both current and voltage, a No Load condition may cause an HHM monitoring an operating block to display 0 for the circuit although there is voltage at the output and the circuit LED is on.

This diagnostic should be disabled for circuits on which very small loads (small relays, transformers, or indicating lamps) will draw less than 50mA.

## Overload Shutdown

Like No-load reporting, this diagnostic is also optional for individual outputs on the block.

In addition to the protection provided by the block's built-in Short Circuit detection, Overload Shutdown provides further protection for output loads, field wiring, and switching devices.

## AC Output Overload

For an AC output, overload occurs if a load exceeds 2.8 amps (2.0 amps RMS) continuously for 100mS. The block will turn the output off and send an OVERLOAD message if Overload Shutdown is enabled.

