Option 10 — Setting Up the NE-43 Alarms

The flow meter supports the NAMUR specification NE-43 for alarm support on the 4-20 mA signal. The analog output signal is clipped between 3.8 and 20.5 mA so most bits set in the meter event code trigger an NE-43 alarm. See “Option 8 – Setting Up Relays” for additional information.

The following flow meter error events cause a NE-43 alarm:

- Unable to write configuration file to EEPROM
- Abnormal sensor node voltages
- Sensor type does not match configuration
- Sensor over-voltage crowbar engaged
- Sensor control drive stopped responding
- ADC failed to convert measurement
- High sensor or wire leakage
- Rps sensor lead open circuit
- Wire loop resistance above high limit
- Rtc resistance below low limit and above high limit
- Rp resistance below low limit and above high limit
- Flow rate above design limit

To access the NE-43 Setup menu in Program mode:

1. Press **P**.
2. Enter your **Advanced** access password, and then press **E**.
3. Press **2** to invoke the Quick Jump option.
4. Press **10** for the **NE-43 Alarm Setup** menu, and then press **E**.

```
NE-43 ALARM TYPE
>HIGH OUTPUT ^v
```

   The NE-43 alarm type prompt appears.

   - A LOW OUTPUT drives the 4-20 mA output to ≤3.6 mA when a meter fault occurs.
   - A HIGH OUTPUT drives the 4-20 mA output to ≥21 mA when a meter fault occurs.

5. Use the arrow keys to select LOW OUTPUT or HIGH OUTPUT, and then press **E**.