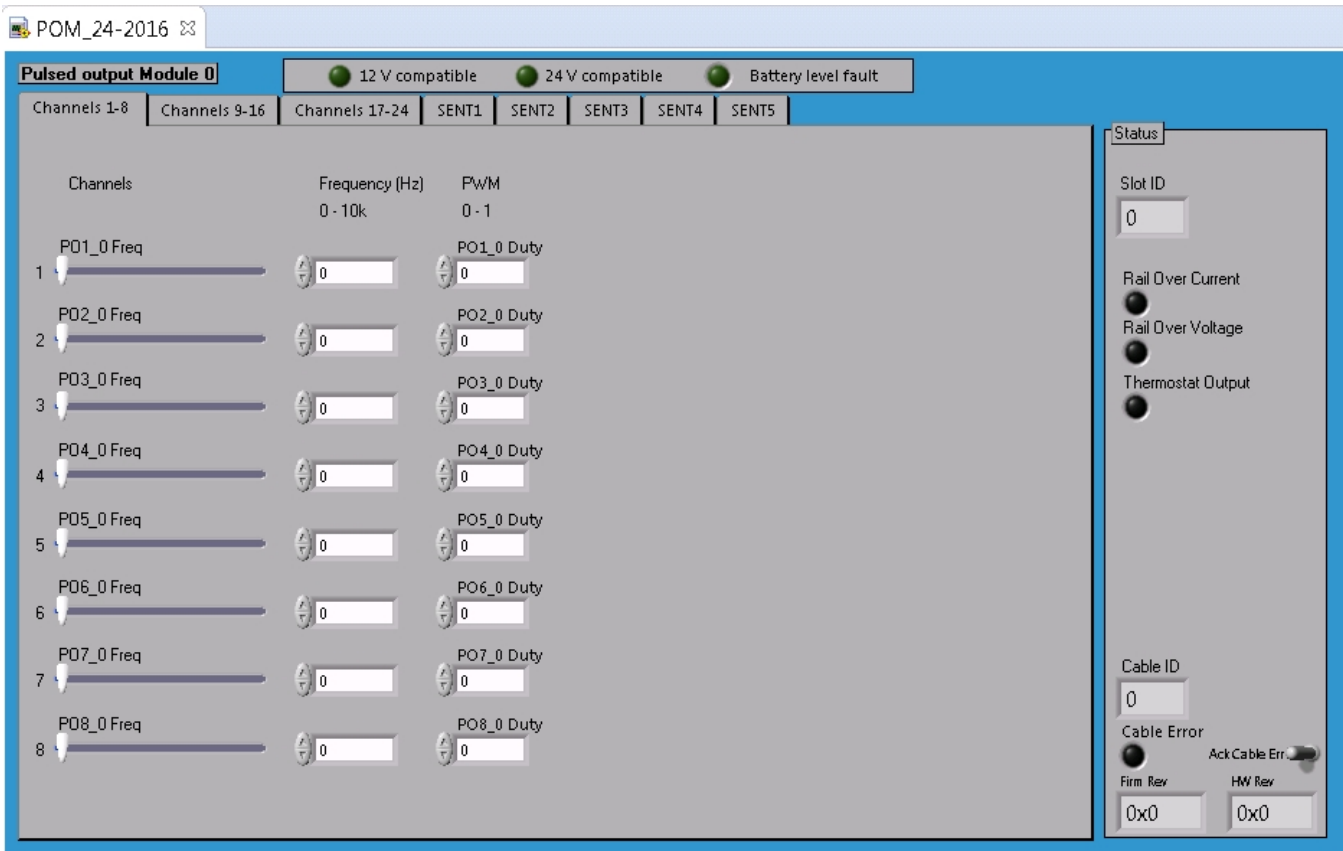


POM Module Run-Time Panel

The first three tabs of the run-time panel allow the user to set individually the frequency and duty of the pulse train to be generated on the output channels.



The five SENT tabs are used to configure up to five channels in SENT mode. Each SENT tab is composed of three sub-tabs :

Pulsed output Module 0 12 V compatible 24 V compatible Battery level fault

Channels 1-8 Channels 9-16 Channels 17-24 SENT1 SENT2 SENT3 SENT4 SENT5

Configuration & Status Error Triggers Nibble Corruption Control

Synchronization pulse error control

Sync error trigger Number of msgs w sync error Sync error ticks

Status error control

Status error trigger Number of msgs w status error Status error ticks

CRC error control

CRC error trigger Number of msgs w CRC error CRC error ticks

Pause error control

Pause error trigger Number of msgs w pause error Pause error ticks

Selecting -1 applies the condition continuously. Selecting 0 disables the feature, Selecting a number > 0 will generate the condition for the specified number of messages

The values above are the period of the nibble and must be greater than the default low time or a configuration error is generated.

Status

Slot ID

Rail Over Current

Rail Over Voltage

Thermostat Output

Cable ID

Cable Error Ack Cable Err.

Firm Rev HW Rev

Pulsed output Module 0 12 V compatible 24 V compatible Battery level fault

Channels 1-8 Channels 9-16 Channels 17-24 SENT1 SENT2 SENT3 SENT4 SENT5

Configuration & Status Error Triggers Nibble Corruption Control

Enable

Number of Messages

Sensor Data

Config_Err

Unit time(us)

Sync pulse tick number Selecting 0 will disable the Pause Pulse. Selecting 1 will enable the Pause Pulse with a duration in ticks.

Pause Mode Selecting 2 will enable the Pause Pulse so that the messages are generated on a loop time.

Pause tick number Message size (us)

Number of nibbles

Low driven tick number

Data Order 0=LSB first, 1= MSB first

CRC implementation Selecting 0 will use legacy 2008 CRC
Selecting 1 will use 2010 256 element array CRC
Selecting 2 will use 2010 16 Element array CRC

Status

Serial type

Serial message ID

Serial data

Status bits

Status

Slot ID

Rail Over Current

Rail Over Voltage

Thermostat Output

Cable ID

Cable Error Ack Cable Err.

Firm Rev HW Rev

Pulsed output Module 0

12 V compatible 24 V compatible Battery level fault

Channels 1-8 Channels 9-16 Channels 17-24 SENT1 SENT2 SENT3 SENT4 SENT5

Configuration & Status Error Triggers **Nibble Corruption Control**

Nibble corruption control

Nibble corruption trigger Number of msgs w Nibble corruption Nibble number Low driven tick number
High driven tick number

Nibble addition control

Nibble addition trigger Number of msgs w Nibble addition Nibble position Nibble number
Nibble tick value

Nibble subtraction control

Nibble subtraction trigger Number of msgs w Nibble subtraction Nibble position Number of nibble to subtract

Status

Slot ID
Rail Over Current
Rail Over Voltage
Thermostat Output
Cable ID
Cable Error Ack Cable Err.
Firm Rev HW Rev