Order: paceLocation, sensingTrue, LRL, URL, AtrAmp, VentApm, ATRPulseWidth, VentPulseWidth, ARP, VRP, AtrSensitivity, VentSensitivity, AV Delay

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Variable** | **Data Type (Simulink)** | **Bytes** | **Range** | **Resolution** | **Python Type** |
| LRL | uint8 | 1 | [40,150] | 1 | Unsigned char |
| URL\*\* MSR | uint8 | 1 |  | 1 | Unsigned char |
| ARP | Single | 4 |  | 0.1 | float |
| VRP | Single | 4 |  | 0.1 | float |
| sensingTrue | uint8 | 1 | [0,1] | 1 | bool |
| paceLocation | uint8 | 1 |  |  | Unsigned char |
| ATRpulseWidth | Single | 4 |  |  | float |
| VENTpulseWidth | Single | 4 |  | 0.1 | float |
| AtrAmp | Single | 4 |  | 0.1 | float |
| VentAmp | Single | 4 |  | 0.1 | float |
| AtrSensitivity (V) | Single | 4 | (0-3.3V) | 0.1 | float |
| VentSensitivity (V) | Single | 4 | (0-3.3V) | 0.1 | float |
| AV Delay | uint16 | 2 | [70,300] | 10 | Unsigned short |
| rateAdaptiveTrue | uint8 | 1 | 0,1 | 1 | bool |
| Acc\_threshold\_1 (still) | double | 4 | [- | 0.001 | float |
| Acc\_threshold\_2 (Walking) | double | 8 |  | 0.001 | float |
| Acc\_threshold\_3 (Running) | double | 8 |  | 0.001 | float |
| responseFactor\*\*\* | uint8 | 1 | [1,16] | 1 | Unsigned char |
| reactionTime (sec) | uint8 | 1 | [10,50] | 10 | Unsigned char |
| recoveryTime (sec) | uint16 | 2 | [60,960] | 1 | Unsigned short |
| URL\*\*\* |  |  |  |  |  |

