**Note: VRP, ARP, hysteresis and rate smoothing aren’t applicable for these two modes**

**AOO requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Last pulse Type | Last period(LP) | t | Spontaneous pulse resets timer | Pace |
| X | X | t<URL | X | False |
| Sensed(no sensing in AOO) | X | X | X | X |
| Paced | URL<LP<LRL  t | t<LRL | X | False |
| t=LRL | X | True |

**VOO requirements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Last pulse Type | Last period(LP) | t | Spontaneous pulse resets timer | Pace |
| X | X | t<URL | X | False |
| Sensed(no sensing in VOO) | X | X | X | X |
| Paced | URL<LP<LRL | t<LRL | X | False |
| t=LRL | X | True |