**Observation tables:**

**P-only**

|  |  |  |  |
| --- | --- | --- | --- |
| **Run** | **P** | **Set point** | **Offset(min)** |
|  |  | 50 | 7.7 |
| 1 | 100 | 40 | 0.0 |
|  |  | 63 | 19.5 |
|  |  | 50 | 6.6 |
| 2 | 50 | 40 | 0.0 |
|  |  | 63 | 15.9 |
|  |  | 50 | 5.0 |
| 3 | 25 | 40 | 0.0 |
|  |  | 63 | 11.5 |

**PD**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Run** | **P** | **D** | **Set point** | **Offset(min)** |
|  |  |  | 50 | 8.5 |
| 1 | 100 | 250 | 40 | 0.1 |
|  |  |  | 63 | 21.3 |
|  |  |  | 50 | 6.6 |
| 2 | 50 | 500 | 40 | 1.2 |
|  |  |  | 63 | 19.5 |
|  |  |  | 50 | 7.0 |
| 3 | 50 | 1000 | 40 | 1.3 |
|  |  |  | 63 | 18.0 |

**PID**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Run** | **P** | **I** | **D** | **Set point** | **Offset(min)** |
|  |  |  |  | 50 | 10.5 |
| 1 | 100 | 250 | 100 | 40 | 1.2 |
|  |  |  |  | 63 | 21.4 |
|  |  |  |  | 50 | 10.2 |
| 2 | 100 | 500 | 500 | 40 | 1.2 |
|  |  |  |  | 63 | 21.2 |
|  |  |  |  | 50 | 11.1 |
| 3 | 100 | 1000 | 500 | 40 | 2.1 |
|  |  |  |  | 63 | 21.1 |