|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Имя переменной** | **Тип в ПЛК** | **регистр** | **примечания** |
| **Главный экран** | | | | |
| **Запись чисел в панель из ПЛК** | | | | |
|  | valueTemperature | REAL | PSW256 |  |
|  | valueFT0101 | REAL | PSW258 |  |
|  | valueFT0102 | REAL | PSW260 |  |
|  | valueQE0101 | REAL | PSW262 |  |
|  | valueQE0102 | REAL | PSW264 |  |
|  | valueFPKpressure | REAL | PSW266 |  |
|  | totalAmountFQS0301 | DWORD | PSW268 |  |
|  | toNextRegen | REAL | PSW270 |  |
|  |  |  |  |  |
|  | counterND050201 | DWORD | PSW272 |  |
|  | counterND050202 | DWORD | PSW274 |  |
|  |  |  |  |  |
|  | daysND050201 | WORD | PSW276 |  |
|  | hoursND050201 | WORD | PSW277 |  |
|  | minutesND050201 | WORD | PSW278 |  |
|  | secondsND050201 | WORD | PSW279 |  |
|  |  |  |  |  |
|  | daysND050202 | WORD | PSW280 |  |
|  | hoursND050202 | WORD | PSW281 |  |
|  | minutesND050202 | WORD | PSW282 |  |
|  | secondsND050202 | WORD | PSW283 |  |
|  |  |  |  |  |
|  | counterND060201 | DWORD | PSW284 |  |
|  | counterND060202 | DWORD | PSW286 |  |
|  |  |  |  |  |
|  | daysND060201 | WORD | PSW288 |  |
|  | hoursND060201 | WORD | PSW289 |  |
|  | minutesND060201 | WORD | PSW290 |  |
|  | secondsND060201 | WORD | PSW291 |  |
|  |  |  |  |  |
|  | daysND060202 | WORD | PSW292 |  |
|  | hoursND060202 | WORD | PSW293 |  |
|  | minutesND060202 | WORD | PSW294 |  |
|  | secondsND060202 | WORD | PSW295 |  |
|  |  |  |  |  |
|  | counterND060301 | DWORD | PSW296 |  |
|  | counterND060302 | DWORD | PSW298 |  |
|  |  |  |  |  |
|  | daysND060301 | WORD | PSW300 |  |
|  | hoursND060301 | WORD | PSW301 |  |
|  | minutesND060301 | WORD | PSW302 |  |
|  | secondsND060301 | WORD | PSW303 |  |
|  |  |  |  |  |
|  | daysND060302 | WORD | PSW304 |  |
|  | hoursND060302 | WORD | PSW305 |  |
|  | minutesND060302 | WORD | PSW306 |  |
|  | secondsND060302 | WORD | PSW307 |  |
|  |  |  |  |  |
|  | counterND070301 | DWORD | PSW308 |  |
|  | counterND070302 | DWORD | PSW310 |  |
|  |  |  |  |  |
|  | daysND070301 | WORD | PSW312 |  |
|  | hoursND070301 | WORD | PSW313 |  |
|  | minutesND070301 | WORD | PSW314 |  |
|  | secondsND070301 | WORD | PSW315 |  |
|  |  |  |  |  |
|  | daysND070302 | WORD | PSW316 |  |
|  | hoursND070302 | WORD | PSW317 |  |
|  | minutesND070302 | WORD | PSW318 |  |
|  | secondsND070302 | WORD | PSW319 |  |
|  |  |  |  |  |
|  | counterND080301 | DWORD | PSW320 |  |
|  | counterND080302 | DWORD | PSW322 |  |
|  |  |  |  |  |
|  | daysND080301 | WORD | PSW324 |  |
|  | hoursND080301 | WORD | PSW325 |  |
|  | minutesND080301 | WORD | PSW326 |  |
|  | secondsND080301 | WORD | PSW327 |  |
|  |  |  |  |  |
|  | daysND080302 | WORD | PSW328 |  |
|  | hoursND080302 | WORD | PSW329 |  |
|  | minutesND080302 | WORD | PSW330 |  |
|  | secondsND080302 | WORD | PSW331 |  |
|  |  |  |  |  |
|  | counterN010501 | DWORD | PSW332 |  |
|  | counterN010502 | DWORD | PSW334 |  |
|  |  |  |  |  |
|  | daysN010501 | WORD | PSW336 |  |
|  | hoursN010501 | WORD | PSW337 |  |
|  | minutesN010501 | WORD | PSW338 |  |
|  | secondsN010501 | WORD | PSW339 |  |
|  |  |  |  |  |
|  | daysN010502 | WORD | PSW340 |  |
|  | hoursN010502 | WORD | PSW341 |  |
|  | minutesN010502 | WORD | PSW342 |  |
|  | secondsN010502 | WORD | PSW343 |  |
|  |  |  |  |  |
|  | counterN040401 | DWORD | PSW344 |  |
|  | counterN040402 | DWORD | PSW346 |  |
|  |  |  |  |  |
|  | daysN040401 | WORD | PSW348 |  |
|  | hoursN040401 | WORD | PSW349 |  |
|  | minutesN040401 | WORD | PSW350 |  |
|  | secondsN040401 | WORD | PSW351 |  |
|  |  |  |  |  |
|  | daysN040402 | WORD | PSW352 |  |
|  | hoursN040402 | WORD | PSW353 |  |
|  | minutesN040402 | WORD | PSW354 |  |
|  | secondsN040402 | WORD | PSW355 |  |
|  |  |  |  |  |
|  | counterUFO030101 | DWORD | PSW356 |  |
|  | counterUFO030102 | DWORD | PSW358 |  |
|  |  |  |  |  |
|  | daysUFO030101 | WORD | PSW360 |  |
|  | hoursUFO030101 | WORD | PSW361 |  |
|  | minutesUFO030101 | WORD | PSW362 |  |
|  | secondsUFO030101 | WORD | PSW363 |  |
|  |  |  |  |  |
|  | daysUFO030102 | WORD | PSW364 |  |
|  | hoursUFO030102 | WORD | PSW365 |  |
|  | minutesUFO030102 | WORD | PSW366 |  |
|  | secondsUFO030102 | WORD | PSW367 |  |
|  |  |  |  |  |
|  | counterN020401 | DWORD | PSW368 |  |
|  | counterN020402 | DWORD | PSW370 |  |
|  |  |  |  |  |
|  | daysN020401 | WORD | PSW372 |  |
|  | hoursN020401 | WORD | PSW373 |  |
|  | minutesN020401 | WORD | PSW374 |  |
|  | secondsN020401 | WORD | PSW375 |  |
|  |  |  |  |  |
|  | daysN020402 | WORD | PSW376 |  |
|  | hoursN020402 | WORD | PSW377 |  |
|  | minutesN020402 | WORD | PSW378 |  |
|  | secondsN020402 | WORD | PSW379 |  |
|  |  |  |  |  |
| **упаковка BOOLей для записи в панель из ПЛК** | | | | |
|  | statusNDstart | WORD | PSW1000 | WORD.0 = НД05.02/01 |
|  |  |  |  | WORD.1 = НД05.02/02 |
|  |  |  |  | WORD.2 = НД06.02/01 |
|  |  |  |  | WORD.3 = НД06.02/02 |
|  |  |  |  | WORD.4 = НД06.03/01 |
|  |  |  |  | WORD.5 = НД06.03/02 |
|  |  |  |  | WORD.6 = НД07.01/01 |
|  |  |  |  | WORD.7 = НД07.01/02 |
|  |  |  |  | WORD.8 = НД08.03/01 |
|  |  |  |  | WORD.9 = НД08.03/02 |
|  |  |  |  | WORD.10 = НД08.04 |
|  |  |  |  |  |
|  | StatusStart | WORD | PSW1001 | WORD.0 = Н01.05/01 |
|  |  |  |  | WORD.1 = Н01.05/02 |
|  |  |  |  | WORD.2 = Н02.04/01 |
|  |  |  |  | WORD.3 = Н02.04/02 |
|  |  |  |  | WORD.4 = Н04.04/01 |
|  |  |  |  | WORD.5 = Н04.04/02 |
|  |  |  |  | WORD.6 = Н04.01 |
|  |  |  |  | WORD.7 = УФО03.01/01 |
|  |  |  |  | WORD.8 = УФО03.01/02 |
|  |  |  |  |  |
|  | valveOpened | DWORD | PSW1002 | WORD.0 = ЗДЭ01.01 |
|  |  |  |  | WORD.1 = ЗДЭ02.01 |
|  |  |  |  | WORD.2 = ЗДЭ02.02 |
|  |  |  |  | WORD.3 = ЗДЭ02.03 |
|  |  |  |  | WORD.4 = ЗДЭ02.04 |
|  |  |  |  | WORD.5 = ЗДЭ02.05 |
|  |  |  |  | WORD.6 = ЗДЭ02.06 |
|  |  |  |  | WORD.7 = ЗДЭ02.07 |
|  |  |  |  | WORD.8 = ЗДЭ02.08 |
|  |  |  |  | WORD.9 = ЗДЭ02.09 |
|  |  |  |  | WORD.10 = ЗДЭ02.10 |
|  |  |  |  | WORD.11 = ЗДЭ02.11 |
|  |  |  |  | WORD.12 = ЗДЭ02.12 |
|  |  |  |  | WORD.13 = ЗДЭ02.13 |
|  |  |  |  | WORD.14 = ЗДЭ02.14 |
|  |  |  |  | WORD.15 = ЗДЭ02.15 |
|  |  |  | PSW1003 | WORD.0 = ЗДЭ02.16 |
|  |  |  |  | WORD.1 = ЗДЭ02.17 |
|  |  |  |  | WORD.2 = ЗДЭ02.18 |
|  |  |  |  | WORD.3 = ЗДЭ02.19 |
|  |  |  |  | WORD.4 = ЗДЭ02.20 |
|  |  |  |  | WORD.5 = ЗДЭ02.21 |
|  |  |  |  | WORD.6 = ЗДЭ02.22 |
|  |  |  |  | WORD.7 = ЗДЭ02.23 |
|  |  |  |  | WORD.8 = ЗДЭ02.24 |
|  |  |  |  | WORD.9 = ЗДЭ02.25 |
|  |  |  |  | WORD.10 = ЗДЭ03.01 |
|  |  |  |  | WORD.11 = ЗДЭ03.02 |
|  |  |  |  | WORD.12 = КШЭ04.01 |
|  |  |  |  |  |
|  | regimeFS | WORD | PSW1004 | WORD.0 = ФС02.01/01 (1 = промывка) |
|  |  |  |  | WORD.1 = ФС02.01/02 |
|  |  |  |  | WORD.2 = ФС02.01/03 |
|  |  |  |  | WORD.3 = ФС02.01/04 |
|  |  |  |  | WORD.4 = ФС02.01/05 |
|  |  |  |  | WORD.5 = ФС02.01/06 |
|  |  |  |  | WORD.6 = ФС02.02/01 |
|  |  |  |  | WORD.7 = ФС02.02/02 |
|  |  |  |  | WORD.8 = ФС02.02/03 |
|  |  |  |  | WORD.9 = ФС02.02/04 |
|  |  |  |  | WORD.10 = ФС02.02/05 |
|  |  |  |  | WORD.11 = ФС02.02/06 |
|  |  |  |  |  |
|  | levelStatus | WORD | PSW1005 | WORD.0 = LSA01.02 Перелив ОГМ01.04 |
|  |  |  |  | WORD.1 = LS01.03 Рабочий верхний уровень ОГМ01.04, пуск Н01.05 |
|  |  |  |  | WORD.2 = LS01.04 Сухой ход Н01.05 |
|  |  |  |  | WORD.3 = LSA02.01 Перелив РЧВ02.03 |
|  |  |  |  | WORD.4 = LS02.02 Рабочий верхний уровень РЧВ02.03, наполнение, открыть ЗДЭ02.25 |
|  |  |  |  | WORD.5 = LS02.03 Сухой ход Н02.04 |
|  |  |  |  | WORD.6 = LS04.01 Верхний уровень ПР04.03, пуск Н04.04 |
|  |  |  |  | WORD.7 = LS04.02 Сухой ход Н04.04 |
|  |  |  |  | WORD.8 = LS08.02 Сухой ход НД08.03/01 |
|  |  |  |  | WORD.9 = LS08.03 Сухой ход НД08.03/02 |
|  |  |  |  | WORD.10 = LS01.01 Сухой ход Н04.01 (Защита ФПК) |
|  |  |  |  | WORD.11 = Сигнал уровня осадка LES01.01 |
|  |  |  |  |  |
|  | valveClosed | DWORD | PSW1006 | WORD.0 = ЗДЭ01.01 |
|  |  |  |  | WORD.1 = ЗДЭ02.01 |
|  |  |  |  | WORD.2 = ЗДЭ02.02 |
|  |  |  |  | WORD.3 = ЗДЭ02.03 |
|  |  |  |  | WORD.4 = ЗДЭ02.04 |
|  |  |  |  | WORD.5 = ЗДЭ02.05 |
|  |  |  |  | WORD.6 = ЗДЭ02.06 |
|  |  |  |  | WORD.7 = ЗДЭ02.07 |
|  |  |  |  | WORD.8 = ЗДЭ02.08 |
|  |  |  |  | WORD.9 = ЗДЭ02.09 |
|  |  |  |  | WORD.10 = ЗДЭ02.10 |
|  |  |  |  | WORD.11 = ЗДЭ02.11 |
|  |  |  |  | WORD.12 = ЗДЭ02.12 |
|  |  |  |  | WORD.13 = ЗДЭ02.13 |
|  |  |  |  | WORD.14 = ЗДЭ02.14 |
|  |  |  |  | WORD.15 = ЗДЭ02.15 |
|  |  |  | PSW1007 | WORD.0 = ЗДЭ02.16 |
|  |  |  |  | WORD.1 = ЗДЭ02.17 |
|  |  |  |  | WORD.2 = ЗДЭ02.18 |
|  |  |  |  | WORD.3 = ЗДЭ02.19 |
|  |  |  |  | WORD.4 = ЗДЭ02.20 |
|  |  |  |  | WORD.5 = ЗДЭ02.21 |
|  |  |  |  | WORD.6 = ЗДЭ02.22 |
|  |  |  |  | WORD.7 = ЗДЭ02.23 |
|  |  |  |  | WORD.8 = ЗДЭ02.24 |
|  |  |  |  | WORD.9 = ЗДЭ02.25 |
|  |  |  |  | WORD.10 = ЗДЭ03.01 |
|  |  |  |  | WORD.11 = ЗДЭ03.02 |
|  |  |  |  | WORD.12 = КШЭ04.01 |
|  |  |  |  |  |
|  | statWordND0502 | WORD.0 | PSW1008 | Ошибка блока дозирования |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordND0602 | WORD.0 | PSW1009 | Ошибка блока дозирования |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordND0603 | WORD.0 | PSW1010 | Ошибка блока дозирования |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordND0703 | WORD.0 | PSW1011 | резерв |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordND0803 | WORD.0 | PSW1012 | Ошибка блока дозирования |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordN0105 | WORD.0 | PSW1013 | Не используется |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordN0404 | WORD.0 | PSW1014 | Не используется |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | statWordUFO0301 | WORD.0 | PSW1015 | Не используется |
|  |  | WORD.1 |  | Выбран режим ufo1main |
|  |  | WORD.2 |  | Выбран режим ufo2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария UFO1 |
|  |  | WORD.6 |  | Авария UFO2 |
|  |  |  |  |  |
|  | statWordN0204 | WORD.0 | PSW1016 | Не используется |
|  |  | WORD.1 |  | Выбран режим pump1main |
|  |  | WORD.2 |  | Выбран режим pump2main |
|  |  | WORD.3 |  | Выбран режим byCounter |
|  |  | WORD.4 |  | Выбран режим byWorkTime |
|  |  | WORD.5 |  | Авария Pump1 |
|  |  | WORD.6 |  | Авария Pump2 |
|  |  |  |  |  |
|  | alarmAI | WORD.0 | PSW1017 | Авария датчика температуры |
|  |  | WORD.1 |  | Авария расходомера FT01.01. |
|  |  | WORD.2 |  | Авария расходомера FT01.02. |
|  |  | WORD.3 |  | Авария рН-метра QE01.01. |
|  |  | WORD.4 |  | Авария рН-метра QE01.02. |
|  |  | WORD.5 |  | Авария входа приема показаний давления на входе в фильтр. |
|  |  |  |  |  |
|  | alarmToOpenValve | DWORD | PSW1018 | WORD.0 = ЗДЭ01.01 |
|  |  |  |  | WORD.1 = ЗДЭ02.01 |
|  |  |  |  | WORD.2 = ЗДЭ02.02 |
|  |  |  |  | WORD.3 = ЗДЭ02.03 |
|  |  |  |  | WORD.4 = ЗДЭ02.04 |
|  |  |  |  | WORD.5 = ЗДЭ02.05 |
|  |  |  |  | WORD.6 = ЗДЭ02.06 |
|  |  |  |  | WORD.7 = ЗДЭ02.07 |
|  |  |  |  | WORD.8 = ЗДЭ02.08 |
|  |  |  |  | WORD.9 = ЗДЭ02.09 |
|  |  |  |  | WORD.10 = ЗДЭ02.10 |
|  |  |  |  | WORD.11 = ЗДЭ02.11 |
|  |  |  |  | WORD.12 = ЗДЭ02.12 |
|  |  |  |  | WORD.13 = ЗДЭ02.13 |
|  |  |  |  | WORD.14 = ЗДЭ02.14 |
|  |  |  |  | WORD.15 = ЗДЭ02.15 |
|  |  |  | PSW1019 | WORD.0 = ЗДЭ02.16 |
|  |  |  |  | WORD.1 = ЗДЭ02.17 |
|  |  |  |  | WORD.2 = ЗДЭ02.18 |
|  |  |  |  | WORD.3 = ЗДЭ02.19 |
|  |  |  |  | WORD.4 = ЗДЭ02.20 |
|  |  |  |  | WORD.5 = ЗДЭ02.21 |
|  |  |  |  | WORD.6 = ЗДЭ02.22 |
|  |  |  |  | WORD.7 = ЗДЭ02.23 |
|  |  |  |  | WORD.8 = ЗДЭ02.24 |
|  |  |  |  | WORD.9 = ЗДЭ02.25 |
|  |  |  |  | WORD.10 = ЗДЭ03.01 |
|  |  |  |  | WORD.11 = ЗДЭ03.02 |
|  |  |  |  | WORD.12 = КШЭ04.01 |
|  |  |  |  |  |
|  | alarmToCloseValve | DWORD | PSW1020 | WORD.0 = ЗДЭ01.01 |
|  |  |  |  | WORD.1 = ЗДЭ02.01 |
|  |  |  |  | WORD.2 = ЗДЭ02.02 |
|  |  |  |  | WORD.3 = ЗДЭ02.03 |
|  |  |  |  | WORD.4 = ЗДЭ02.04 |
|  |  |  |  | WORD.5 = ЗДЭ02.05 |
|  |  |  |  | WORD.6 = ЗДЭ02.06 |
|  |  |  |  | WORD.7 = ЗДЭ02.07 |
|  |  |  |  | WORD.8 = ЗДЭ02.08 |
|  |  |  |  | WORD.9 = ЗДЭ02.09 |
|  |  |  |  | WORD.10 = ЗДЭ02.10 |
|  |  |  |  | WORD.11 = ЗДЭ02.11 |
|  |  |  |  | WORD.12 = ЗДЭ02.12 |
|  |  |  |  | WORD.13 = ЗДЭ02.13 |
|  |  |  |  | WORD.14 = ЗДЭ02.14 |
|  |  |  |  | WORD.15 = ЗДЭ02.15 |
|  |  |  | PSW1021 | WORD.0 = ЗДЭ02.16 |
|  |  |  |  | WORD.1 = ЗДЭ02.17 |
|  |  |  |  | WORD.2 = ЗДЭ02.18 |
|  |  |  |  | WORD.3 = ЗДЭ02.19 |
|  |  |  |  | WORD.4 = ЗДЭ02.20 |
|  |  |  |  | WORD.5 = ЗДЭ02.21 |
|  |  |  |  | WORD.6 = ЗДЭ02.22 |
|  |  |  |  | WORD.7 = ЗДЭ02.23 |
|  |  |  |  | WORD.8 = ЗДЭ02.24 |
|  |  |  |  | WORD.9 = ЗДЭ02.25 |
|  |  |  |  | WORD.10 = ЗДЭ03.01 |
|  |  |  |  | WORD.11 = ЗДЭ03.02 |
|  |  |  |  | WORD.12 = КШЭ04.01 |
|  |  |  |  |  |
|  | alarmFS | WORD | PSW1022 | WORD.0 = ФС02.01/01 |
|  |  |  |  | WORD.1 = ФС02.01/02 |
|  |  |  |  | WORD.2 = ФС02.01/03 |
|  |  |  |  | WORD.3 = ФС02.01/04 |
|  |  |  |  | WORD.4 = ФС02.01/05 |
|  |  |  |  | WORD.5 = ФС02.01/06 |
|  |  |  |  | WORD.6 = ФС02.02/01 |
|  |  |  |  | WORD.7 = ФС02.02/02 |
|  |  |  |  | WORD.8 = ФС02.02/03 |
|  |  |  |  | WORD.9 = ФС02.02/04 |
|  |  |  |  | WORD.10 = ФС02.02/05 |
|  |  |  |  | WORD.11 = ФС02.02/06 |
|  |  |  |  |  |
|  | failToRegenFS | WORD | PSW1023 | WORD.0 = ФС02.01/01 |
|  |  |  |  | WORD.1 = ФС02.01/02 |
|  |  |  |  | WORD.2 = ФС02.01/03 |
|  |  |  |  | WORD.3 = ФС02.01/04 |
|  |  |  |  | WORD.4 = ФС02.01/05 |
|  |  |  |  | WORD.5 = ФС02.01/06 |
|  |  |  |  | WORD.6 = ФС02.02/01 |
|  |  |  |  | WORD.7 = ФС02.02/02 |
|  |  |  |  | WORD.8 = ФС02.02/03 |
|  |  |  |  | WORD.9 = ФС02.02/04 |
|  |  |  |  | WORD.10 = ФС02.02/05 |
|  |  |  |  | WORD.11 = ФС02.02/06 |
|  |  |  |  |  |
| **Запись BOOLей по 8 штук в панель из ПЛК** | | | | |
|  |  |  |  |  |
|  | Модуль 1 |  |  |  |
| 0 | needToCleanFPK | BOOL | PSB256 | ФПК надо почистить |
| 1 | readyFPK | BOOL | PSB257 | ФПК готов к приему осадка |
| 2 | alarm | BOOL | PSB258 | Общий сигнал АВАРИЯ |
| 3 | alarmFPK | BOOL | PSB259 |  |
| 4 | alarmTemperatureHigh | BOOL | PSB260 | Авария - температура в помещении выше заданного максимального значения. |
| 5 | alarmTemperatureLow | BOOL | PSB261 | Авария - температура в помещении ниже заданного минимального значения. |
| 6 | powerAlarmN0105 | BOOL | PSB262 |  |
| 7 | alarmM0604 | BOOL | PSB263 |  |
|  |  |  |  |  |
|  | Модуль 2 |  |  |  |
| 0 | alarmM0702 | BOOL | PSB264 |  |
| 1 | alarmM0802 | BOOL | PSB265 |  |
| 2 | powerAlarmFS | BOOL | PSB266 |  |
| 3 | powerAlarmKEM | BOOL | PSB267 |  |
| 4 | powerAlarmRelay1 | BOOL | PSB268 | Авария питания К, КМ и HL щит 1 |
| 5 | powerAlarmRelay2 | BOOL | PSB269 | Авария питания реле щит 2 |
| 6 | notStartedFPK | BOOL | PSB270 | ФПК не запустился после подачи сигнала |
| 7 | alarmPLKnetwork | BOOL | PSB271 | Обрыв в сети ПЛК. |
|  |  |  |  |  |
| **Чтение энергонезависимых чисел из панели в ПЛК** | | | | |
|  |  |  |  |  |
|  | impulsValueFQS0301 | REAL | PFW256 | В ПЛК 10256 |
|  | timeToWorkFPK | WORD | PFW258 |  |
|  | maxPressureValueFPK | WORD | PFW259 |  |
|  |  |  |  |  |
|  | ND0502setMaxDosVal | REAL | PFW260 | Указать максимальную производительность доз.насоса, мл/мин |
|  | ND0502setKoefProp | REAL | PFW262 | Задать количество реагента в мл на один кубометр стоков, мл/м3.  По умолчанию: 126,39 мл/м3 |
|  |  |  |  |  |
|  | ND0602setMaxDosVal | REAL | PFW264 | Указать максимальную производительность доз.насоса, мл/мин |
|  | ND0602setKoefProp | REAL | PFW266 | Задать количество реагента в мл на один кубометр стоков, мл/м3.  По умолчанию = 145,83 мл/м3 |
|  |  |  |  |  |
|  | ND0603setMaxDosVal | REAL | PFW268 | Указать максимальную производительность доз.насоса, мл/мин |
|  | ND0603setKoefProp | REAL | PFW270 | Задать количество реагента в мл на один кубометр стоков, мл/м3.  По умолчанию = 145,83 мл/м3 |
|  |  |  |  |  |
|  | ND0703pHsetValue | REAL | PFW272 | Задание рН для поддержания подачей щелочи от НД07.03 по рН метру QE01.01.  (0…14) |
|  | ND0703YoutManual | WORD | PFW274 | Ручное задание выходу Y. Задается: 0...100%, на выходе: 4…20мА |
|  |  |  |  |  |
|  | ND0803setMaxDosVal | REAL | PFW276 | Указать максимальную производительность доз.насоса, мл/мин |
|  | ND0803setKoefProp | REAL | PFW278 | Задать количество реагента в мл на один кубометр стоков, мл/м3.  По умолчанию = 576.53мл/м3. |
|  |  |  |  |  |
|  | ND0804doseValue | WORD | PFW280 | Задание на дозирование НД08.04 в процентах от максимальной производительности насоса (0-100), преобразуется пропорционально в сигнал 4…20мА.  По умолчанию = 100%. |
|  |  |  |  |  |
|  | N0105flowSetValue | REAL | PFW282 | Задание расхода для поддержания по FT01.02 |
|  | N0105YoutManual | WORD | PFW284 | Ручное задание выходу Y. Задается: 0...100%, на выходе: 4…20мА |
|  |  |  |  |  |
|  | setVolumeFS | REAL | PFW286 | Задание объема до следующей промывки, кубометров. |
|  |  |  |  |  |
|  | setMinTemperature | REAL | PFW288 | Задать минимальную температуру |
|  | setMaxTemperature | REAL | PFW290 | Задать максимальную температуру |
|  |  |  |  |  |
| **Чтение чисел из панели в ПЛК** | | | | |
|  |  |  |  |  |
|  | correctionValueFQS0301 | REAL | PSW2000 |  |
|  |  |  |  |  |
| **упаковка BOOLей для чтения из панели в ПЛК** | | | | |
|  |  |  |  |  |
|  | setWordND0502 | WORD.0 | PSW3000 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordND0602 | WORD.0 | PSW3001 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordND0603 | WORD.0 | PSW3002 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordND0703 | WORD.0 | PSW3003 | резерв  (старт если расход >= 10м3) |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | startPump1man |
|  |  | WORD.8 |  | startPump2man |
|  |  | WORD.9 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordND0803 | WORD.0 | PSW3004 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordN0105 | WORD.0 | PSW3005 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordN0404 | WORD.0 | PSW3006 | start |
|  |  | WORD.1 |  | setPump1main |
|  |  | WORD.2 |  | setPump2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetPump1counter |
|  |  | WORD.6 |  | resetPump2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startPump1man |
|  |  | WORD.10 |  | startPump2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordUFO0301 | WORD.0 | PSW3007 | start |
|  |  | WORD.1 |  | setUFO1main |
|  |  | WORD.2 |  | setUFO2main |
|  |  | WORD.3 |  | setByCounter |
|  |  | WORD.4 |  | setByWorkTime |
|  |  | WORD.5 |  | resetUFO1counter |
|  |  | WORD.6 |  | resetUFO2counter |
|  |  | WORD.7 |  | resetWorkTimePump1 |
|  |  | WORD.8 |  | resetWorkTimePump2 |
|  |  | WORD.9 |  | startUFO1man |
|  |  | WORD.10 |  | startUFO2man |
|  |  | WORD.11 |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | setWordN0204 | WORD.0 | PSW3008 | Ручной стоп Н02.04 |
|  |  | WORD.1 |  | start |
|  |  | WORD.2 |  | setPump1main |
|  |  | WORD.3 |  | setPump2main |
|  |  | WORD.4 |  | setByCounter |
|  |  | WORD.5 |  | setByWorkTime |
|  |  | WORD.6 |  | resetPump1counter |
|  |  | WORD.7 |  | resetPump2counter |
|  |  | WORD.8 |  | resetWorkTimePump1 |
|  |  | WORD.9 |  | resetWorkTimePump2 |
|  |  | WORD.10 |  | startPump1man |
|  |  | WORD.11 |  | startPump2man |
|  |  |  |  | Stop (чтобы остановить насос достаточно снять сигнал пуск. Этот стоп – дополнение, пока он нажат – оба насоса будут остановлены.) |
|  |  |  |  |  |
|  | testValve | DWORD | PSW3009 | WORD.0 = ЗДЭ01.01 |
|  |  |  |  | WORD.1 = ЗДЭ02.01 |
|  |  |  |  | WORD.2 = ЗДЭ02.02 |
|  |  |  |  | WORD.3 = ЗДЭ02.03 |
|  |  |  |  | WORD.4 = ЗДЭ02.04 |
|  |  |  |  | WORD.5 = ЗДЭ02.05 |
|  |  |  |  | WORD.6 = ЗДЭ02.06 |
|  |  |  |  | WORD.7 = ЗДЭ02.07 |
|  |  |  |  | WORD.8 = ЗДЭ02.08 |
|  |  |  |  | WORD.9 = ЗДЭ02.09 |
|  |  |  |  | WORD.10 = ЗДЭ02.10 |
|  |  |  |  | WORD.11 = ЗДЭ02.11 |
|  |  |  |  | WORD.12 = ЗДЭ02.12 |
|  |  |  |  | WORD.13 = ЗДЭ02.13 |
|  |  |  |  | WORD.14 = ЗДЭ02.14 |
|  |  |  |  | WORD.15 = ЗДЭ02.15 |
|  |  |  | PSW3010 | WORD.0 = ЗДЭ02.16 |
|  |  |  |  | WORD.1 = ЗДЭ02.17 |
|  |  |  |  | WORD.2 = ЗДЭ02.18 |
|  |  |  |  | WORD.3 = ЗДЭ02.19 |
|  |  |  |  | WORD.4 = ЗДЭ02.20 |
|  |  |  |  | WORD.5 = ЗДЭ02.21 |
|  |  |  |  | WORD.6 = ЗДЭ02.22 |
|  |  |  |  | WORD.7 = ЗДЭ02.23 |
|  |  |  |  | WORD.8 = ЗДЭ02.24 |
|  |  |  |  | WORD.9 = ЗДЭ02.25 |
|  |  |  |  | WORD.10 = ЗДЭ03.01 |
|  |  |  |  | WORD.11 = ЗДЭ03.02 |
|  |  |  |  | WORD.12 = КШЭ04.01 |
|  |  |  |  |  |
| **Чтение BOOLей из панели в ПЛК модулями 8 bit input module** | | | | |
|  |  |  |  |  |
| 0 | resetCounterFQS0301 | BOOL | PSB700 |  |
| 1 | addCorrectionFQS0301 | BOOL | PSB701 |  |
| 2 | deleteCorrectionFQS0301 | BOOL | PSB702 |  |
| 3 | ND0703YmanAuto | BOOL | PSB703 | Выбор управления выходом Y в ручном или автоматическом режиме.  0 = авто,  1 = ручной |
| 4 | N0105YmanAuto | BOOL | PSB704 | Выбор управления выходом Y в ручном или автоматическом режиме.  0 = авто, 1 = ручной |
| 5 | resetVolumeFS | BOOL | PSB705 | Сброс счетчика до промывки |
| 6 |  |  | PSB706 |  |
| 7 |  |  | PSB707 |  |
|  |  |  |  |  |
| 0 | N0105manStart |  | PSB708 | Ручной пуск |
| 1 | N0105manStop |  | PSB709 | Ручной стоп |
| 2 | N0204manStart |  | PSB710 |  |
| 3 | N0204manStop |  | PSB711 |  |
| 4 | N0404manStart |  | PSB712 |  |
| 5 | N0404manStop |  | PSB713 |  |
| 6 | **resetAlarms** | **BOOL** | PSB714 | **Сброс аварий** |
| 7 |  |  |  |  |