



October 2024

## Firmware Version Summary for WATCHDOG 2 and FireSAFE+ Fire Sprinkler Controllers

The following is a summary of firmware feature updates for Watchdog2 and FireSAFE+.

To obtain a firmware update for Watchdog2, please contact Martech.

For FireSAFE+ firmware, please contact Grundfos.

Released Firmware Version	Date	Watchdog 2 Change	FireSAFE+ Change
2.96	3/10/24	No change	<p><b>NEW FEATURES.</b> Setting FM Wait to 0 (zero), pump runs continuously during jockey and FM Wait period before entering latched Possible Fire Mode. FM Wait duration is set to Jockey duration.</p> <p>DI6, Monitored Valve Input now supports connections on Comm-NO and Comm-NC. Activates faults if Comm-NO goes short circuit <u>or</u> Comm-NC goes open circuit). Each circuit/fault detection mode is independent of the other.</p> <p>Improved fault detection implemented; runs full autotest, after 2<sup>nd</sup> jockey cycle if faulty sensor suspected.</p>
2.95	-	Optional. Minor update to control button software.	Optional. Minor update to control button software.
2.94	17/9/23	Optional (see changes to FS+)	<p><b>NEW FEATURE.</b> Jockey cycle 2 extended to 90 seconds.</p> <p>Ensures that flow switch with very long mechanical delay is detected and FIRE mode started, in the event of a fire <u>if</u> one pressure switch fails to detect pressure loss (i.e. PS stays closed circuit). Reports PS fault.</p> <p>Minor improvement to on screen display of status info.</p>
2.93	24/7/23	No change	<p><b>PATCH</b> for problem accessing menu on FS+ residential variants only, introduced in V2.92, and occasional screen colour inversion.</p> <p>Does not affect FS+ Domestic variant</p>



2.92	21/6/23	No change	<p><b>NEW FEATURE.</b> Possible Fire Mode (both pressure switches active/low, no flow) now latches immediately when pressure drops during fire mode wait period (does not wait to end of FM Wait period) Press and hold HOME button to cycle info on screen. Backlight comes on automatically during any operation. Next service date written to config file.</p>
2.91	9/6/23	<p><b>NEW FEATURE.</b> Additional Fire Mode Wait option (WD2 only) Setting FM Wait to 0 (zero), pump does not latch when in Possible Fire Mode. FM Wait duration is set to Jockey duration.. Pump also runs continuously during jockey and FM Wait period before entering non-latched Possible Fire Mode. If pressure restored, when in Poss FM, system resets to stand by. NB pump will still latch and will not self-reset if flow detected.</p>	No change
2.8	12/5/23	<p>Improvements to USB memory stick operation and error handling. Count of config changes via USB added to config file. Cooling line facility enabled on WD2. Auto-test start delayed until end of current jockey run. Last power cycle time and date added to config file. If both pressure switches fail auto test, creates Auto-Test Fail LED fault code and runs jockey mode at end to reinstate pressure. Fire relay only operates on Fire (not on fault) does not affect FS+</p>	<p>As WD2, plus:  Model type cannot now be changed in menu, only via USB. FIRE! in large text on display when in Fire Mode Manual pump start added on Residential models (Home + OK button, pump runs for 10 seconds)</p>
2.7	1/3/23	Initial Release	Initial Release