September 19th 2023

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

The following is a summary of firmware feature updates for Watchdog2 and FireSAFE+.
Critical/bug fixes are shown in **bold**.

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
2.94	17/9/23	Optional (see changes to FS+)	Jockey cycle 2 extended to 90 seconds. (Ensures that a flow switch with a very long mechanical delay is detected during jockey run, if there is a flow). System now able to detect one pressure switch failing in closed circuit mode (where PS fails to open on pressure loss). Minor improvement to display of status messages on screen.
2.93	24/7/23	No change	**BUG FIX** for problem accessing menu on FS+ residential variants only, introduced in V2.92 and occasional screen colour inversion. Does not affect FS+ Domestic variant
2.92	21/6/23	No change	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.
2.91	9/6/23	New Fire Mode Wait option (WD2 only) Setting FM Wait to 0 (zero), pump does not latch when in Possible Fire Mode. Pump also runs continuously during jockey and FM Wait period before entering non-latched Possible Fire Mode. If pressure restored, when in	No change

LRQA CERTIFIED ISO 9001

UKAS MANAGEMENT SYSTEMS 0001

Coda Octopus Martech Limited
17 Mereside, Osprey Quay, Portland, Dorset DT5 1PY, UK.
t: +44 (0)1305 770440 f: 07092 870664 martech@codaoctopus.com, www.martechsystems.co.uk
Company No. 02300406, VAT No. 510892555
A Coda Octopus Company, Headquartered in USA

Page 1of 2

		Poss FM, system resets to stand by. NB pump will still latch and will not self-reset if flow detected.	
2.8	12/5/23	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+	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)
2.7	1/3/23	Initial Release	Initial Release

CodaOctopus Martech Limited
Commercial in Confidence   www.martechsystems.co.uk   Page 2 of 2
P:\Projects 20001-20999\20092 FireSAFE 2020 development (INTERNAL)\Manuals\Firmware Version Summary for WD2 & FS+ Sept 2023.docx