

APPENDIX

BilgMon488 - Version 5

15 ppm Bilge Alarm

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Appendix A

REPLACING OLD MASTER UNITS WITH NEWER SERIES 5 VERSIONS

BilgMon488

15 ppm Bilge Alarm

A.1 PRODUCTION VERSION

There are some differences between BilgMon 488 master units of newer series 5 and older production series. The serial number of the BilgMon 488 master unit will reveal which version it is.

The newest version of the BilgMon 488 master unit has a serial number starting with "5". For 115/230V supply voltage versions the serial number will be in the format 51xx-nnnn, and for 24V supply voltage versions it will be in the format 52xx-nnnn.

In case the BilgMon 488 master unit to be replaced is of an older version, its serial number will start with "A", "AE", "EDA", "BFA", "4A", "4AE", "4AC", "4EDA", or "4BFA". For these older versions the numbering of the terminals for the electrical wiring is different compared to the presently produced units, and you must therefore compare the wiring diagram of the old unit to the wiring diagram of the new unit before you connect the wires to the new unit. Below a simple table showing the terminal numbering and function of the old version vs that of the newer present series 5 version. However, the special BilgMon 488 used in Bilge Guard, MasterTrack 588, and MasterTrack 588B has a special communication standard and can for now only be replaced with a similar special version BilgMon 488 of series 4. For the MasterTrack 588C, only the new BilgMon488 series 5 can be used

Terminal numbers of the BilgMon 488 master unit.

Ser. 5 vers. All voltages	Older vers. 24V	Older vers. 115/230V	Function	
1	1	1	Power supply 0V	
2	2	2	Power supply 24VAC or +24VDC or 115/230VAC	
3	3	3	Flushing valve output 24VAC or +24VDC or 115/230VAC (fused)	
4	4	4	Flushing valve output 0V	
5	5	5	Alert relay common terminal (fused)	
6	6	6	Alert relay NO terminal	
7	7	7	Alert relay NC terminal	
8	8	8	Alarm relay (ASD control) common terminal (fused)	
9	9	9	Alarm relay (ASD control) NO terminal	
10	10	18	Alarm relay NC terminal	
11	11	10	Separator status signal input	closed when OWS operating
12	12	11	Separator status signal +12V	
13	NA	NA	Optional flow switch signal input	closed when flow ok ¹⁴
14	NA	NA	Optional flow switch signal +12V	
15	16	16	Oil content signal current output (-)	
16	17	17	Oil content signal current output (+)	
17	NA	NA	Oil cont. signal RS422 output GND	(galv. isol.)
18	NA	NA	Oil cont. signal RS422 output Tx+	
19	NA	NA	Oil cont. signal RS422 output Tx-	
20-21-22	13-14-15	12-13-14	External protective earth connections (galv. isol.)	

¹⁴ A flow switch is optional, so if no flow switch is connected, terminals 13 & 14 should be shorted with a jumper.

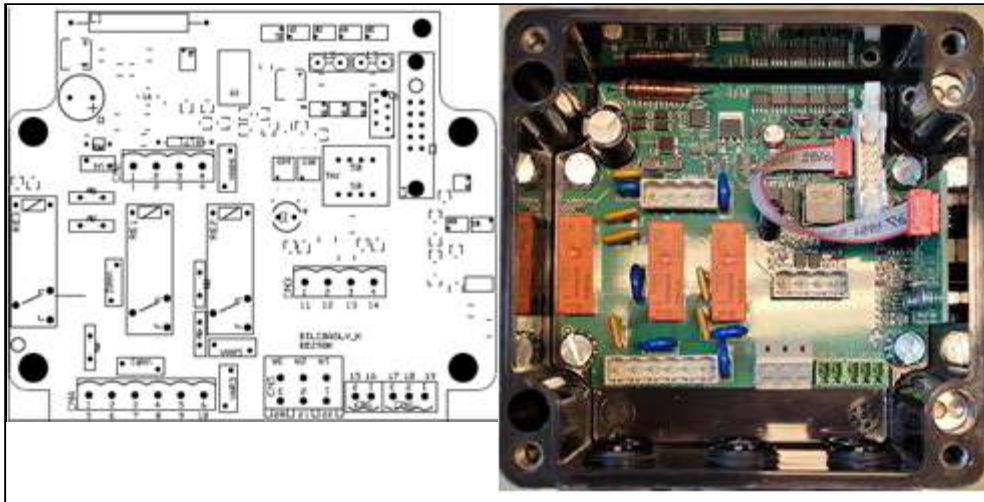


Figure A- 1. Series 5 version base PCB 24V

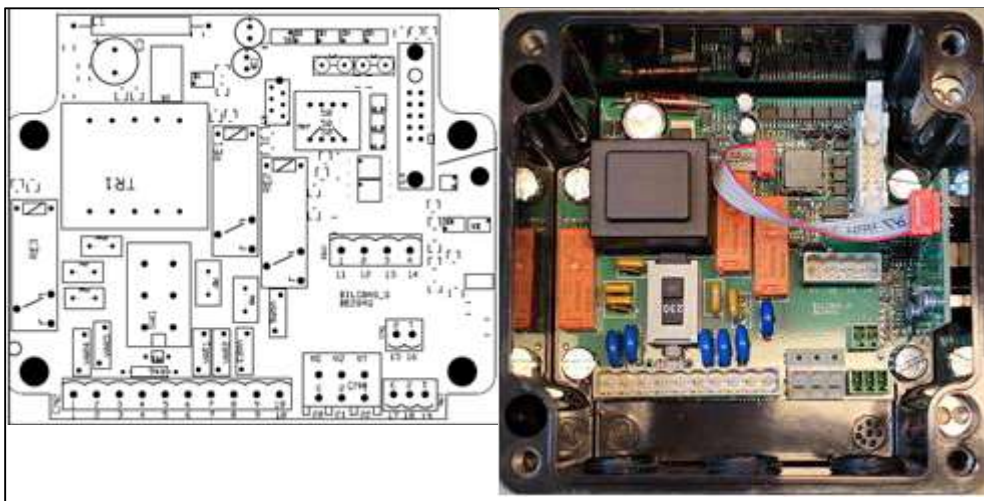


Figure A- 2. Series 5 version base PCB 115/230V

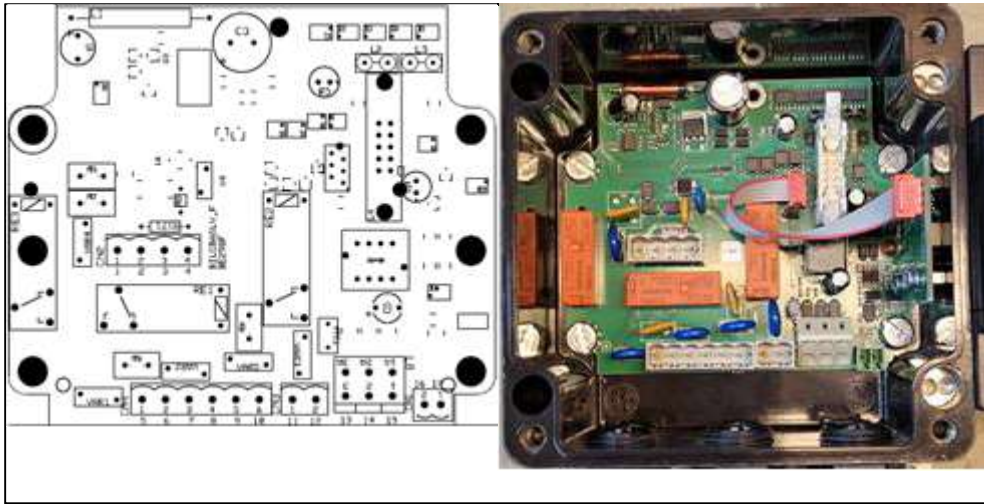


Figure A-3. Older series 4A version base PCB 24V

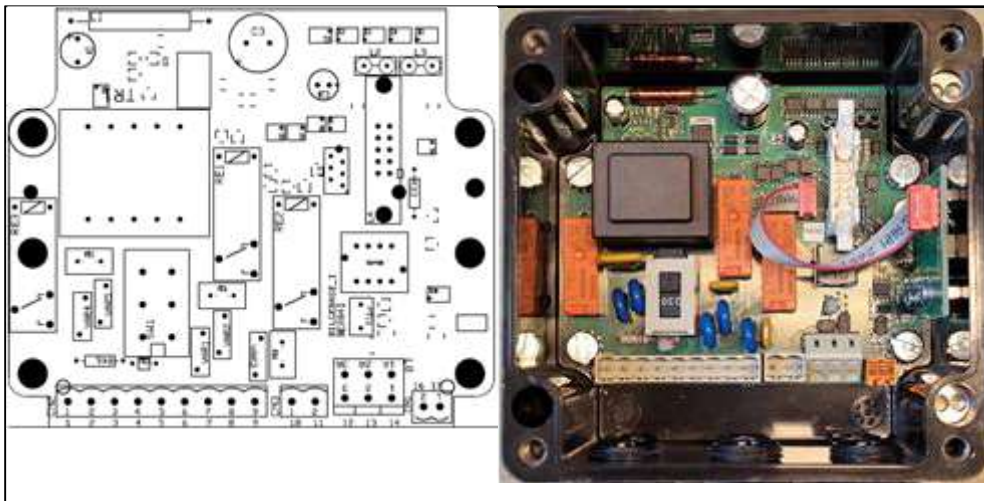


Figure A-4. Older series 4A version base PCB 115/230V

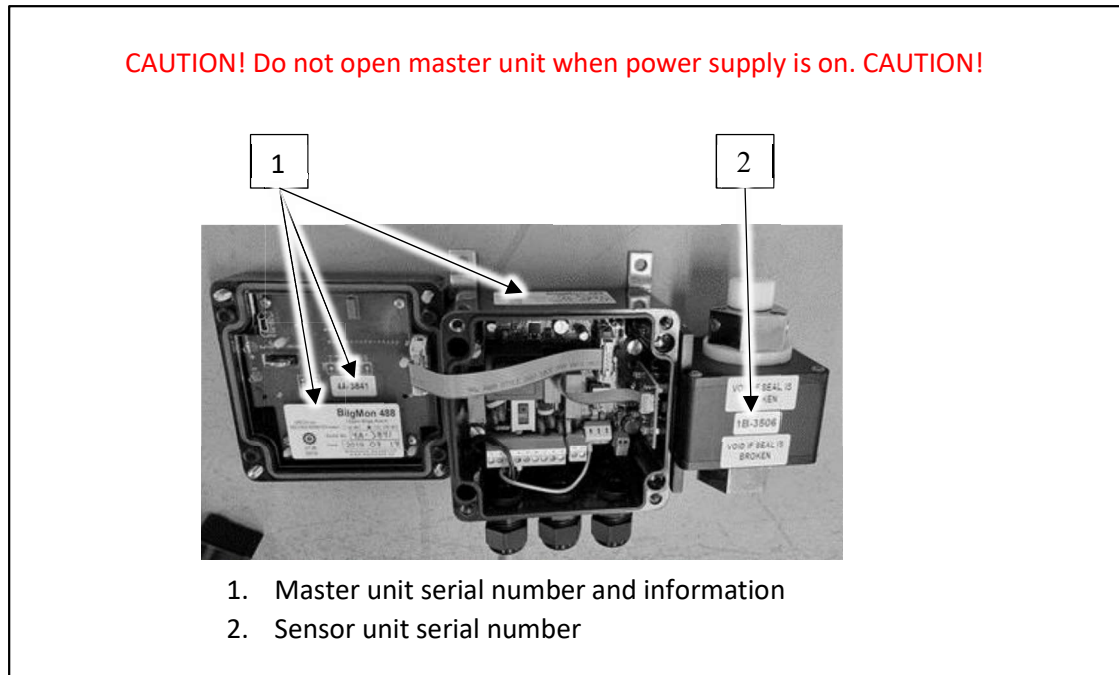


Figure A- 5. Unit identification.

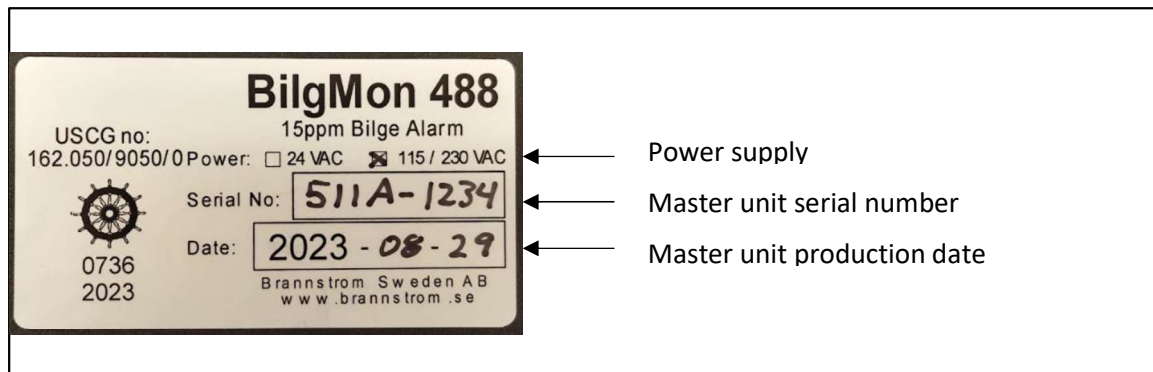


Figure A- 6. Master unit label