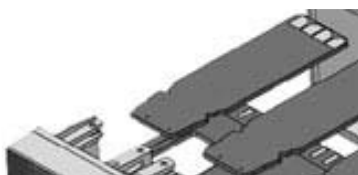# Retrofitting Optional Boards

for APM-1 /ACM-1

The instruction manuals on our website www.kobold.com are always for currently manufactured version of our products. Due to technical changes, the instruction manuals available online may not always correspond to the product version you have purchased. If you need an instruction manual that corresponds to the purchased product version, you can request it from us free of charge by email (info.de@kobold.com) in PDF format, specifying the relevant invoice number and serial number. If you wish, the operating instructions can also be sent to you by post in paper form against an applicable postage fee.

Only qualified personnel are permitted to carry out module retrofits.

Risk of damage to the modules by electrostatic discharge. For this reason, avoid electrostatic charge during fitting and removal. Carry out retrofitting on a grounded workbench.
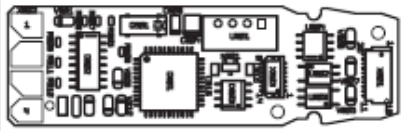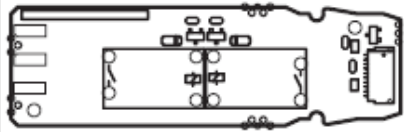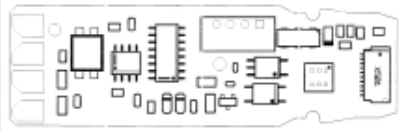
Manufactured and sold by:
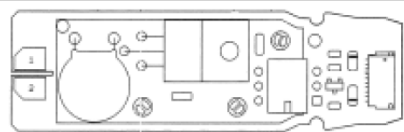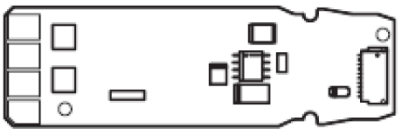
Kobold Messring GmbH
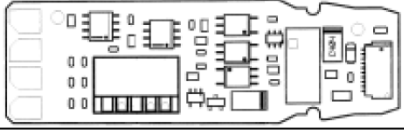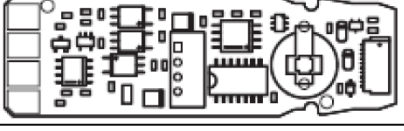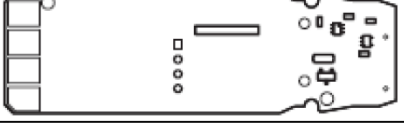Nordring 22-24
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Version: K03/0922

Identifying the module

✳ Identify the module by the sales number pasted on the packaging

Optional board	Code	Part no.	Board view
Analog input (universal)	1	APM-100001	
Relay (1 x changeover)	2	APM-100002	
Relay (2 x NO) This board must only be inserted in optional slot 1 or 3!	3	APM-100003	
Analog output	4	APM-100004	
Two MosFET semiconductor switch	5	APM-100005	

| Optional board	Code	Part no.	Board view
Semiconductor relay 1 A	6	APM-100006	
Supply voltage output +/- 5 V DC (e.g. for ISFET)	7	APM-100007	
Supply voltage output 12 V DC (e.g. for inductive proximity switch)	8	APM-100008	
Interface - RS422/485	S	APM-10000S	
Datalogger with interface RS422/485 and real-time clock This circuit board may only be inserted into option slot 3!	D	APM-10000D	
PROFIBUS-DP interface	P	APM-10000P	

Retrofitting of modules

Removing the controller module

✳ Press together the knurled surfaces on the front panel (left and right), and pull out the controller module
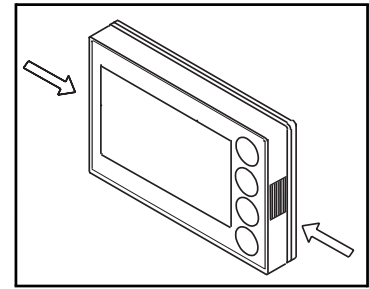
Retrofitting of modules

✳ Select slot for the option
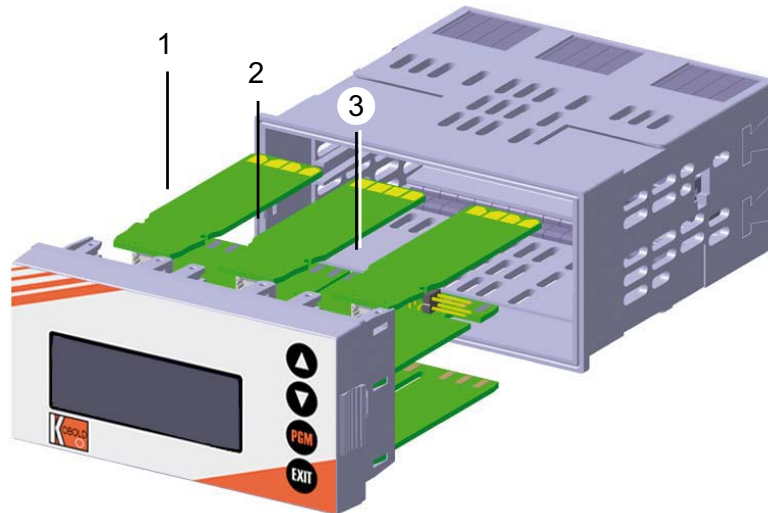
✳ Push the module into the slot until the plug connector engages

In case of ACM and APM the double relay board (2 x N/O contacts) may only be inserted in optional slot 1 or 3! (The Interface boards RS422/485, the Profibus Board and the Data Logger may only be used on optional slot 3. A parallel use is not possible).
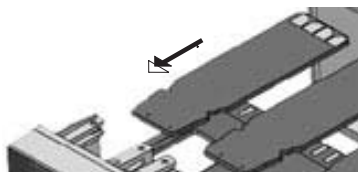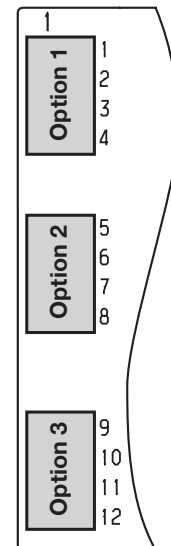
✳ Push the module into the housing until the lugs engage in their slots

Disposal

Note!

- Avoid environmental damage caused by media-contaminated parts
- Dispose of the device and packaging in an environmentally friendly manner
- Comply with applicable national and international disposal regulations and environmental regulations.

Batteries

Batteries containing pollutants are marked with a sign consisting of a crossed-out garbage can and the chemical symbol (Cd, Hg, Li or Pb) of the heavy metal that is decisive for the classification as containing pollutants:

Cd^1　　Hg^2　　Pb^3　　Li^4
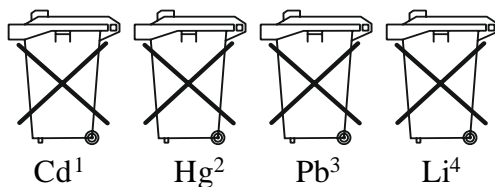
1. „Cd" stands for cadmium
2. Hg" stands for mercury
3. „Pb" stands for lead
4. Li" stands for lithium

Electrical and electronic equipment