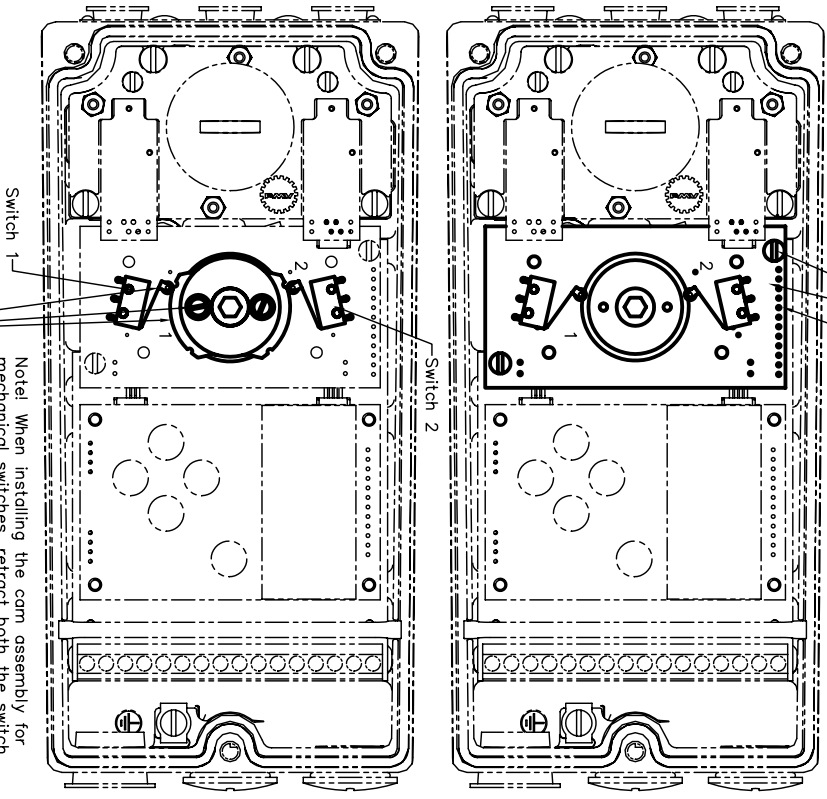
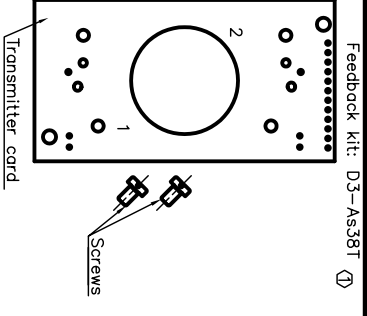


When installing the transmitter card, make sure it is placed correct over the connector pins before gently pushing it down until it rests on the supports. Secure the PC board with the two screws. Make sure the holes are centred before tighten the screws.



Note! When installing the cam assembly for mechanical switches, retract both the switch arms first. Install the cam assembly and tighten the screws loosely to obtain enough friction to lock the cams. Adjust the lower cam first, then the upper cam. Secure cams setting by tighten the two screws hard. The upper cam should trip switch/sensor no 2.

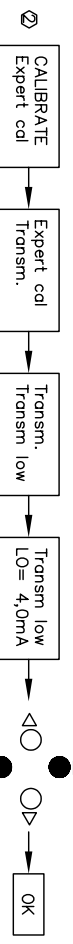
For more information see manual chapter 8, Transmitter boards.



**IMPORTANT:**  
For D3 IS units (Intrinsically Safe):  
-Transmitter card NOT for on site mounting by customer.  
-FM, CSA and ATEX certificates only valid when transmitter card is mounted by manufacturer.

### Calibration of the 4-20 mA transmitter

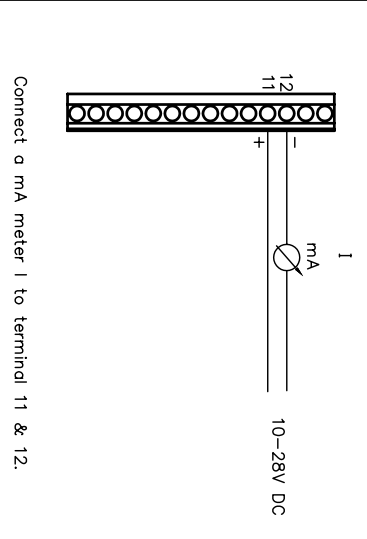
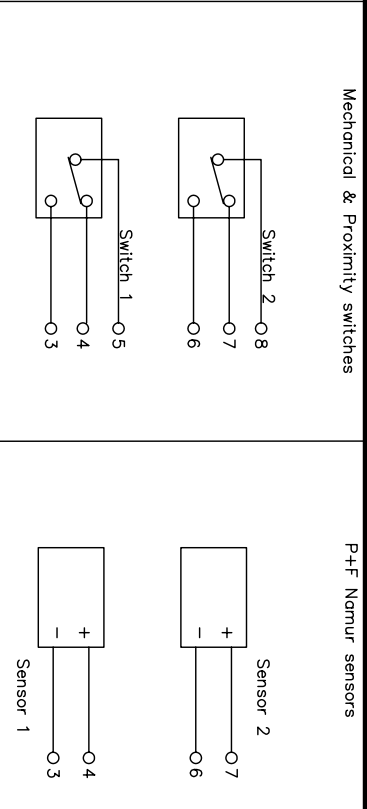
Go to menu shown in diagram. Connect mA meter I and check reading. Adjust output signal using Up or Down key until meter I reads 4.00 mA. Finish by pressing OK. Repeat the above for 20 mA.



- MECHANICAL SWITCHES**
  - Type: SPDT
  - Size: Sub Miniature
  - Rating: 3A 125V AC / 2A 30V DC \*
- NAMUR SENSORS P+H**
  - Type: Proximity DIN 19234 NAMUR
  - Load current: < 1mA > 3mA
  - Voltage range: 5-25V DC
  - Hysteresis: 0.2 %
  - Temperature: -20C to 85C (-4F to 185F)
- PROXIMITY SWITCHES**
  - Type: SPDT
  - Rating: 5W/250mA/30V DC/125V DC \*
  - Operating time: 0.7 ms
  - Breakdown voltage: 200V DC
  - Contact resistance: 0.1 Ohm
  - Mechanical/Electrical life: >50000000 operations

- 4-20 mA TRANSMITTER**
  - Supply: 9-28V DC
  - Output: 4-20 mA
  - Resolution: 0.1 %
  - Linearity full span: +/- 0.5 %
  - Output current limit: 30 mA DC
  - Load impedance: 800 Ohm @ 24V DC

\* Switch rating limited to 100 mA/30V DC/42V AC for D3 units with connection board D3-AS35 R1



Non related drawing  
Modifications reserved  
© 2008 Palsterna AB

3	Slotted namur configuration added.	060901	KBW
2	Note added "important" regarding IS units	020815	EM
2	Switch data sheet added and menu path changed	020815	EM
1	Feedback kit added	011128	KB

Mounting instruction		DIMENSION		ANNOTATION	
PART NO	DESCRIPTION	MATERIAL	PROTECTION ERROR	SCALE	DATE
1	UNREGISTERED TOLERANCES ACCORDING TO	SURFACE		1:1	010328
<b>Redesigned</b>					

<b>PMV Positioner</b>		<b>D3</b>	
PALSTERNA INTERNATIONAL AB		DRAWING NO. <b>D3-59</b>	
KORTA GÅTAN 9 SE-171 64 SÖMA SVEPEN - Tel: +46(0)8 555 106 00 Fax: +46(0)8 555 106 01 - www.pmv.se			