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# PAN35BV, PAN45BV

INDICATOR DISPLAY PANEL WITH LEDS

Warranty  
2 years



DIN 48 x 96 format



PAN45BV

PAN35BV

3 or 4 LEDs indicator display  
«RUN / STOP / ALARM»  
with 2 command switches  
and  
1 or 2 output contacts  
to send remote information  
(optional)

LED Indicator Display

**- Display part :**

The upper part of the housing consists of a 3 or 4 LEDs indicator types PAN35 / PAN45. This upper part can receive all models including those equipped with output contact options. The plug connector has 3 or 4 inputs, the common and «test led» terminal. (See the technical manual of PAN35 / PAN45 for specifications).

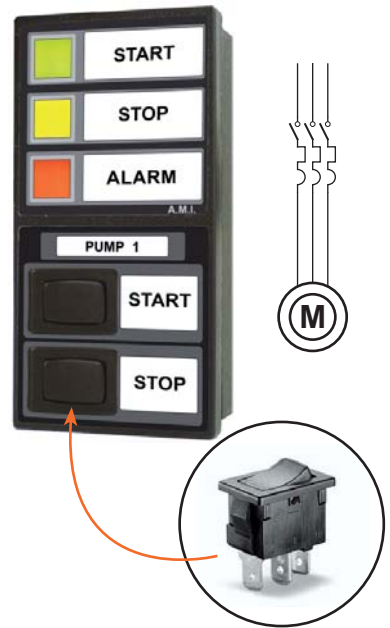
**- Command part :**

The lower part of the housing has two positions for mounting micro switches of your choice. The connection can be made directly using «Faston» type terminals on the switches. The upper and lower parts of the housing are completely insulated electrically one from the other.

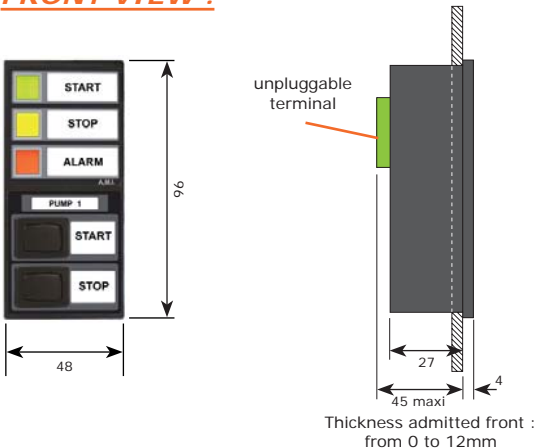
- The identifications are done with labels disposed in front of the LEDs and switches. This labels slip into a slot in the front. A general identification label is also present.
- Achievement of labels to be printed by free software
- Quick mounting by bracket on rear.

**SPECIFICATIONS :**

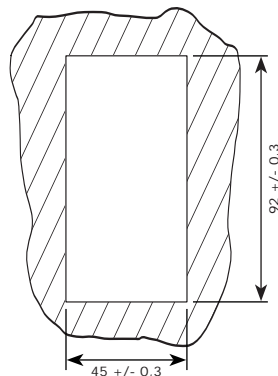
- 3 LEDs 10x10mm or 4 LEDs 5x10mm high-luminosity.
- Selectable choice of one colour out of 7 for each LEDs.
- Labels : 1 label for panel name, 1 label for LEDs, 2 labels for switches.
- Protection by electronic fuse (according to the model).
- Consumption 10mA per LED.
- Accept front panel thickness : between 0.8 and 12mm.
- «LEDs Test» terminal included.



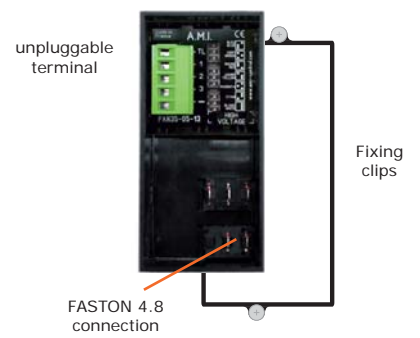
**FRONT VIEW :**



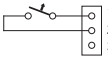
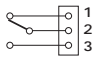

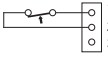
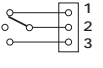
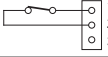
**CUT-OUT :**



**REAR VIEW :**



## CONTROL UNIT :

 <p>1 NO impulse switch, 1 stable NO position + 1 return position, 2 terminals output Ref. : B0001-20-31</p>	 <p>1 Inverter, 2 stable positions, 3 terminals output Ref. : B0001-30-30</p>	 <p>Switches : 6A-125Vdc 4A-250Vac max.</p>
 <p>1 NC impulse switch, 1 stable NC position + 1 return position, 2 terminals output Ref. : B0001-20-32</p>	 <p>1 Inverter, 3 stable positions (C+O+C), 3 terminals output Ref. : B0001-30-31 or 1 Inverter, 3 stable positions (C+O+Impulse), 3 terminals output Ref. : B0001-30-32</p>	
 <p>1 ON/OFF switch, 2 stable positions, 2 terminals output Ref. : B0001-20-30</p>	<p>The 2 switches are included in panel. Reference to be specified separately.</p>	

## LEDS AND LABELS :

Labels are ordinary paper sheets that can be slid into a transparent pocket included in the thickness of the front face. A blank label is supplied with each unit.

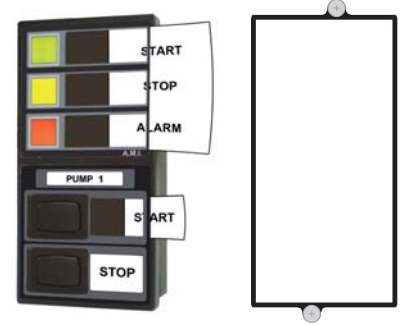
Labels can be handmade, or draw the screen of the PC and produced on a colour printer (laser or ink-jet).

The PC software allows to create labels including images, allows to save and duplicate the achievements.

This PC software is FREE. It is possible to load it on our website :

[www.ami-control.com](http://www.ami-control.com)

For high humidity countries, the printing on plastic sheets is recommended.



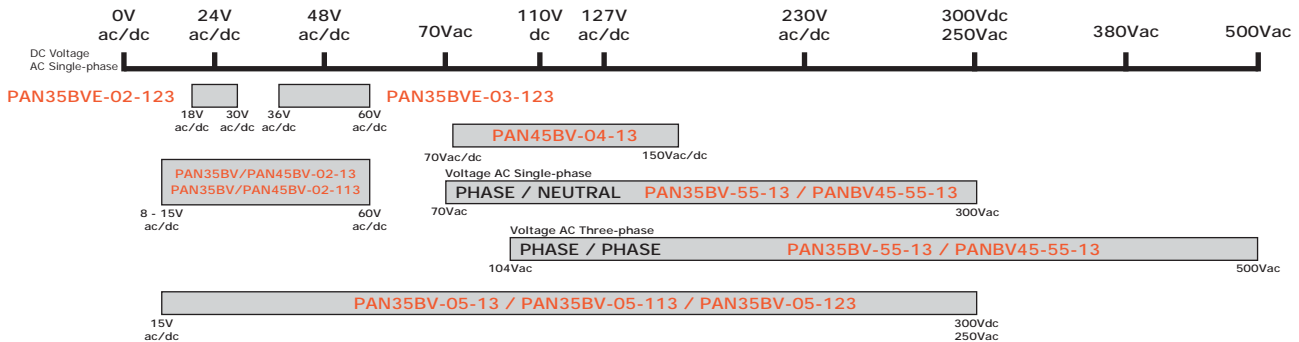
Thickness admitted front :  
from 0 to 4.5mm and 0 to 12mm

## CHARACTERISTICS :

Box	Polycarbonat Front face, case of polyamide PA66 30gf.
Colour	Black
Tightness front face	IP52
Flame resistance	UL94 class V2

Surface insulation	10 <sup>15</sup> Ohms/cm
Working / storage temperature	-20°C / +60°C / -20°C / +70°C
Working / storage Humidity	90% without condensation / 70%
Weight	80g to 125g depending on version

## THE DIFFERENT MODELS :



DC	AC	PAN35BV			PAN45BV	
		Without relay	1 relay	2 relays	Without relay	1 relay
8V - 60V	8V - 60V	PAN35BV-02-13			PAN45BV-02-13	
15V - 60V	15V - 60V		PAN35BV-02-113			PAN45BV-02-113
18V - 30V	18V - 30V			PAN35BVE-02-123*		
36V - 60V	36V - 60V			PAN35BVE-03-123*		
70V - 150V	70V - 150V				PAN45BV-04-13*	
15V - 300V	15V - 265V	PAN35BV-05-13	PAN35BV-05-113	PAN35BV-05-123		
	70V - 300V Ph-N 104V - 500V Ph-Ph	PAN35BV-55-13			PAN45BV-55-13	

□ : 50Hz to 60Hz only (can not be used with a frequency variator ex : variable speed drive)

### \*Economic version :

- Nominal power supply with tolerance +/- 30%.
- Leds Protection by zener diode.

### Standard version :

- Nominal power supply with extended voltage range.
- Leds Protection by constant current.

### all versions :

- Terminal block for external «LED Test».
- Selector of 7 colors per LED.
- Selector Relay Test.

In some countries, it is usual to meet Automatism voltage such as 110Vdc, 127Vdc or 200Vdc.

The 05 version (from 15Vac/dc to 265Vac/300Vdc) is recommended for special contracts, such as those for Eastern Europe for example.

Based on an concept of energy processing associated with high shelf-life Led, the heating is close to zero.

3, Rue de la Garenne - Z.I. de Vernon  
27950 SAINT MARCEL - FRANCE  
tél. : +33 (0)2 32 51 47 16  
Fax : +33 (0)2 32 21 13 73  
<http://www.ami-control.com>  
✉ : [contact@ami-control.com](mailto:contact@ami-control.com)

