

LEVEL SWITCHES FOR LIQUIDS

2016 PRODUCT

CATALOGUE

ERMEC
www.ermec.com
Distribución de componentes
eléctricos y electrónicos

Tel.: (+34) 902 450 160
Fax: (+34) 902 433 088
ermec@ermec.com
www.ermec.com



Vertical Mounting From Inside The Tank

45mm Length

- Internal vertical mounting through Ø16mm hole with sealing gasket;
- Works on the top or bottom of the tank;
- NO or NC, by inverting the float position;
- Detects level increase or decrease inside the tank.



	LC26M-40	LC36M-40	LC36-M12
Material	PP	PPA	PPA
Operating temperature range	-10°C to 100°C	-10°C to 90°C	-10°C to 90°C
Maximum operating pressure	2bar	2bar	2bar
Colour	Dark blue	Black	Black
Liquid minimum density	0.70	0.70	0.70
Gasket	NBR (nitrilic rubber)	NBR (nitrilic rubber)	NBR (nitrilic rubber)
Nut (material)	PA (Polyamide)	PA (Polyamide)	PA (Polyamide)
Maximum wall thickness	9mm	9mm	9mm
Output connection	40cm cable	40cm cable	M12 plug

Remove The Lock Ring To Invert The Float Position

***Identification**



100mm Length + M12 Plug

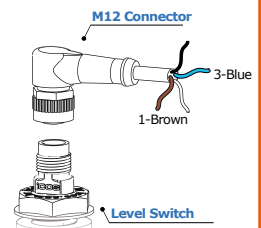
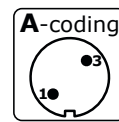
- Internal vertical mounting through Ø16mm hole with sealing gasket;
- Works on the top or bottom of the tank;
- NO or NC, by inverting the float position;
- Detects level increase or decrease inside the tank.



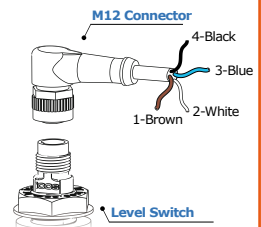
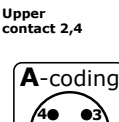
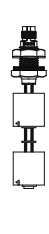
	LD361-M12	LD362-M12
Material	PPA	PPA
Operating temperature range	-10°C to 90°C	-10° to 90°C
Maximum operating pressure	2bar	2bar
Colour	Black	Black
Liquid minimum density	0.70	0.70
Gasket	NBR (nitrilic rubber)	NBR (nitrilic rubber)
Nut (material)	PA (Polyamide)	PA (Polyamide)
Maximum wall thickness	9mm	9mm
Output connection	M12 plug (2 pins)	M12 plug (4 pins)
Detection	1 Point	2 Points

M12 Plug Sensors Installation

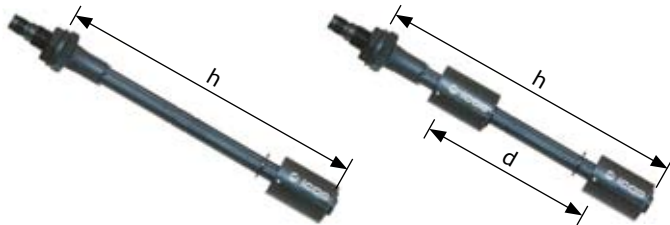
• 2 pins



• 4 pins



150mm to 400mm Length + M12 Plug



	LE Models
Material	PPA
Operating temperature range	-10°C to 90°C
Maximum operating pressure	2bar
Colour	Black
Liquid minimum density	0.70
Gasket	NBR (nitrilic rubber)
Nut (material)	PA (Polyamide)
Maximum wall thickness	9mm
Output connection	M12 plug (2 or 4 pins)
Detection	1 or 2 Points

Models with 1 Detection Point and M12 Plug (2 pins)

	Stem length (h)
LE151-M12	150mm
LE201-M12	200mm
LE251-M12	250mm
LE301-M12	300mm
LE351-M12	350mm
LE401-M12	400mm



Models with 2 Detection Points and M12 Plug (4 pins)

	Stem length (h)	Distance between points (d)
LE152-1-M12	150mm	63mm
LE202-1-M12	200mm	113mm
LE252-1-M12	250mm	163mm
LE302-1-M12	300mm	213mm
LE352-1-M12	350mm	263mm
LE402-1-M12	400mm	313mm



Side Mounting From Outside The Tank

With 1/2"NPT Thread

- External side mounting on tank through a 1/2"NPT thread;
- NO or NC, by rotating the sensor 180°;
- Detects level increase or decrease inside the tank.



	LA12N-40	LA22N-40	LA32N-40	LA32-M12
Material	POM	PP	PPA	PPA
Operating temperature range	-10°C to 100°C	-10°C to 100°C	-10°C to 125°C	-10°C to 125°C
Maximum operating pressure	2bar	2bar	2bar	2bar
Colour	White	Dark blue	Black	Black
Liquid minimum density	0.76	0.68	0.70	0.70
Gasket	Sealant tape	Sealant tape	Sealant tape	Sealant tape
Maximum wall thickness	18mm	18mm	18mm	18mm
Output connection	40cm cable	40cm cable	40cm cable	M12 plug

DIN Output Connection

1"NPT Thread

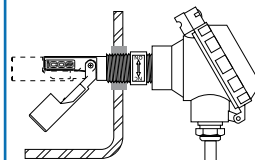
Extra 1/2"NPT Thread

- NO or NC, by rotating the sensor 180°;
- Detects level increase or decrease inside the tank.



	LA32NP	LA31N-M12	LA32N2-40
Material	PPA	PPA	PPA
Operating temperature range	-10°C to 125°C	-10°C to 125°C	-10°C to 125°C
Maximum operating pressure	2bar	2bar	2bar
Colour	Black	Black	Black
Liquid minimum density	0.70	0.70	0.70
Gasket	Sealant tape	Sealant tape	Sealant tape
Maximum wall thickness	18mm	-	18mm
Output connection	DIN 43650-B	M12 plug	40cm cable
	Mounting with 1/2"NPT thread. DIN 43650 connector included.	Mounting with 1"NPT thread. M12 plug output. Aluminum connector included.	Mounting with 1/2"NPT thread + extra thread for conduit or connection head.

Use With Conduit or Connection Head



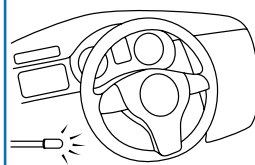
With NBR Compression Gasket For Ø22mm Hole

- External side mounting on tank with NBR compression gasket through Ø22mm hole;
- NO or NC, by rotating the sensor 180°;
- Installation in closed tank;
- Detects the presence of liquids in pipes and thin wall tanks.



	LA322E-40	LA322E-M12	LF122E-40
Material	PPA	PPA	POM
Operating temperature range	-10°C to 125°C	-10°C to 125°C	-10°C to 100°C
Maximum operating pressure	2bar	2bar	2bar
Colour	Black	Black	Orange
Liquid minimum density	0.70	0.70	0.85
Gasket	Compression NBR	Compression NBR	Compression NBR
Nut (material)	PA (Polyamide)	PA (Polyamide)	PA (Polyamide)
Maximum wall thickness	5mm	5mm	5mm
Output connection	40cm cable	M12 plug	40cm cable

Indicate Lack of Water In The Radiator Tank On Your Dashboard!



NC mounting. Indicated for radiator coolant expansion tanks. **NOT suitable for fuel.**

Side Mounting From Inside The Tank

Distribución de componentes
eléctricos y electrónicos

With Sealing Gasket For Ø16mm Hole

- Internal side mounting through Ø16mm hole with sealing gasket;
- NO or NC, by rotating the sensor 180°;
- Detects level increase or decrease inside the tank.



	LA16M-40	LA26M-40	LA36M-40	LA36-M12
Material	POM	PP	PPA	PPA
Operating temperature range	-10°C to 100°C	-10°C to 100°C	-10°C to 125°C	-10°C to 125°C
Maximum operating pressure	2bar	2bar	2bar	2bar
Colour	White	Dark blue	Black	Black
Liquid minimum density	0.76	0.68	0.70	0.70
Gasket	NBR (nitrilic rubber)	NBR (nitrilic rubber)	NBR (nitrilic rubber)	NBR (nitrilic rubber)
Nut (material)	PA (Polyamide)	PA (Polyamide)	PA (Polyamide)	PA (Polyamide)
Maximum wall thickness	9mm	9mm	9mm	9mm
Output connection	40cm cable	40cm cable	40cm cable	M12 plug

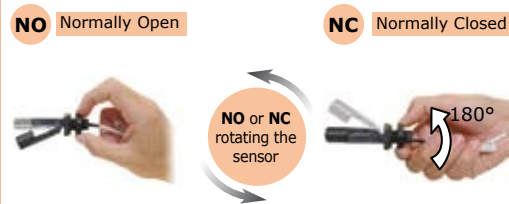
For Fouling Liquids

- For fouling liquids or liquids with small solid particles;
- Works exclusively NC to detect maximum level;
- The float is kept away from the body, avoiding the contact of the liquid with the pivot.



	LB16M-40	LB26M-40
Material	POM	PP
Operating temperature range	-10°C to 100°C	-10°C to 100°C
Colour	White	Dark blue
Liquid minimum density	0.65	0.64
Gasket	NBR (nitrilic rubber)	NBR (nitrilic rubber)
Nut (material)	PA (Polyamide)	PA (Polyamide)
Maximum wall thickness	9mm	9mm
Output connection	40cm cable	40cm cable

Operation



Constructive Materials

POM Polyacetal: Ideal for water, fuel and lubricants.
PP Polypropylene: Ideal for chemical products. **NOT** suitable for fuel.
PPA Polyphthalamide: Best mechanical and temperature resistance.

Icos Excelec Ltda.



PIC GmbH

Nibelungenstraße 5A
90530 Wendelstein, Germany

Phone +49 911 995906-0
 Fax +49 911 995906-99
 eMail info@pic-gmbh.com

www.pic-gmbh.com

ERMEC, S.L. MADRID
 c/Mejorada, 17,1ªPl.OF.D4
 28850 Torrejón de Ardoz
 (España)

PORTUGAL
portugal@ermec.com

BILBAO
bilbao@ermec.com

ERMEC, S.L. BARCELONA
 C/ Francesc Teixidó, 22
 08918 Badalona
 (España)

Tel.: (+34) 902 450 160
 Fax: (+34) 902 433 088
info@ermec.com
www.ermec.com

