

Alfa Laval Indication units

Sensing and control

Introduction

The Alfa Laval Indication unit - Inductive is an electrical feedback unit that offers cost-effective operation and standard functionality for automated indication on the inductive side of Alfa Laval butterfly valves. Straightforward and easy to use, this indication unit provides information about valve operating status 24/7 while boosting productivity.

This inductive indication unit is compatible with any programmable logic controller (PLC) with a PNP/NPN interface.

Application

The electrical indication unit is designed with inductive sensors for use with Alfa Laval butterfly valves in hygienic applications across the dairy, food, beverage, biotechnology, pharmaceutical and many other industries.

Benefits

- Durable and cost-effective
- Precision operation
- Long service life
- Easy to operate

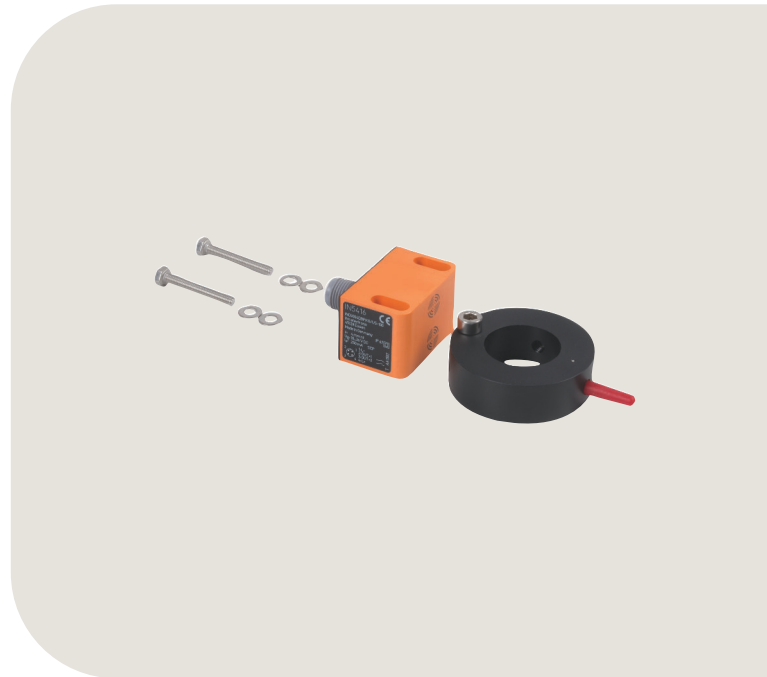
Standard design

The Indication unit – inductive consists of steel and plastic components, seals, contact pins, and cable connection with socket, screw and cable gland. Easy to mount, this indication unit does not require any mechanical adjustments and must be installed between the air-operated actuator and the valve.

Working principle

The Alfa Laval Indication unit – Inductive sensor is an inductive proximity switch that has non-contact electronic switching elements. It is activated by an electromagnet device known as a roller leaf. The standard output signal is always a digital signal (on/off) indicating the position of the valve.

Certificates



TECHNICAL DATA

Communication

Electrical design:	DC PNP
Operating voltage:	10...36 V DC
Output function:	2 x NO
Current consumption:	<15 mA
Current rating:	250 mA
Electrical connection:	M12 plug

PHYSICAL DATA

Materials

Steel parts:	Stainless steel
Plastic parts:	PBT; PC (polycarbonate)
Contact pins:	Gold-plated

Environment

Working temperature:	-25 °C to +80 °C
Protection rating	IP 67



Note!

Compatible brackets are available for the actuators and handles for LKB butterfly valves. The M12 counterpart (Socket) connector are not a part of the indication unit package. The wiring and pinout on the M12 plug has changed, compared to the previous indication units. For further information: See also ESE001257

Options

- Valve compatibility

Accessories

- Various cable options

Compatible actuators

LKLA ø85	Yes
LKLA ø133	Yes

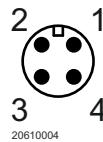
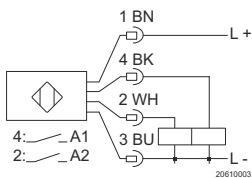
Compatible Valves

LKB	Yes
LKB-2	Yes

Electrical connection

Standard M12 Connection

Pin	Setup
1	Supply +
4	Closed: OUT + 1 (A1)
2	Open: OUT + 2 (A2)
3	Supply -



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