

Low Frequency Pulse Transmitter Type IN-Z31/61, IN-Z62 and IN-Z63

Retrofittable pulse transmission from a mechanical index

Working Principle

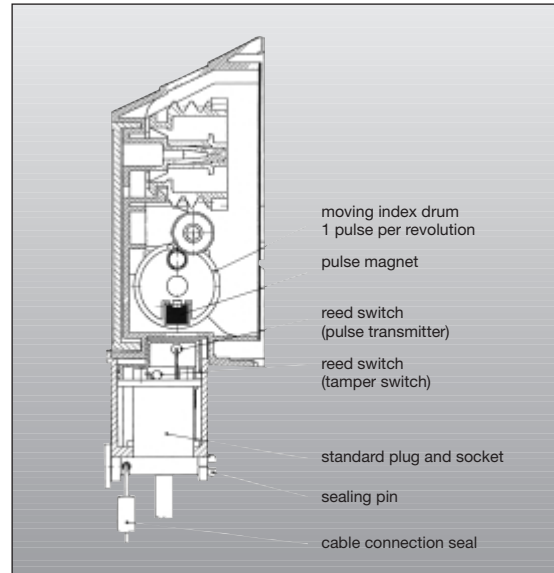
A pulse magnet in the first moving drum of the index type Z3/Z6 activates a reed switch in the pulse transmitter.

A second reed switch allows the detection of magnetic tampering and interruption of the cable connection. (Not for IN-Z62)

The pulse transmitter can be connected via a sealable standard plug and socket system.

Diaphragm gas meters type BK-G1.6 to G100 are equipped with the index Z3/Z6 and pulse magnet and can be retrofitted anytime without breaking the government's seal.

The pulse transmitter is fixed to the index at a separate sealing point.



Index with pulse magnet and pulse transmitter

Ordering includes:

- Pulse transmitter IN-Z31/61/62/63
- Rivet
- Lead seal for fixing to the index
- sealing pin for cable connection (see above figure)

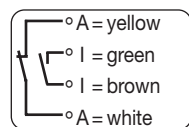
Technical data:

- Lifetime: min 2×10^7 operations of the totalizing switch
- Voltage: $U_{\max} = 24 \text{ V DI}$
- Current: $I_{\max} = 50 \text{ mA}$
- Power: $P_{\max} = 0,25 \text{ W}$
- Closing time: $t_{\min} = 0,25 \text{ s}$
- Resistance: $R_{\max} = 0,5 \Omega$ (closed)



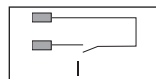
Attaching the pulse transmitter to the index

IN-Z31/61



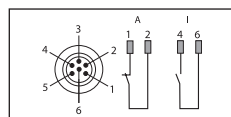
IN-Z31/61
plug connection:
Standard Modular Plug 6/4 according to FCC,
part 68

IN-Z62



Grommet, clamp connection via two luster terminals

IN-Z63



Pin assignment IN-Z63
Plug connection with female Binder plug series 423

- A: Alarm contact, reed switch (normally closed)
- I: Totalizing contact, reed switch (normally opened)