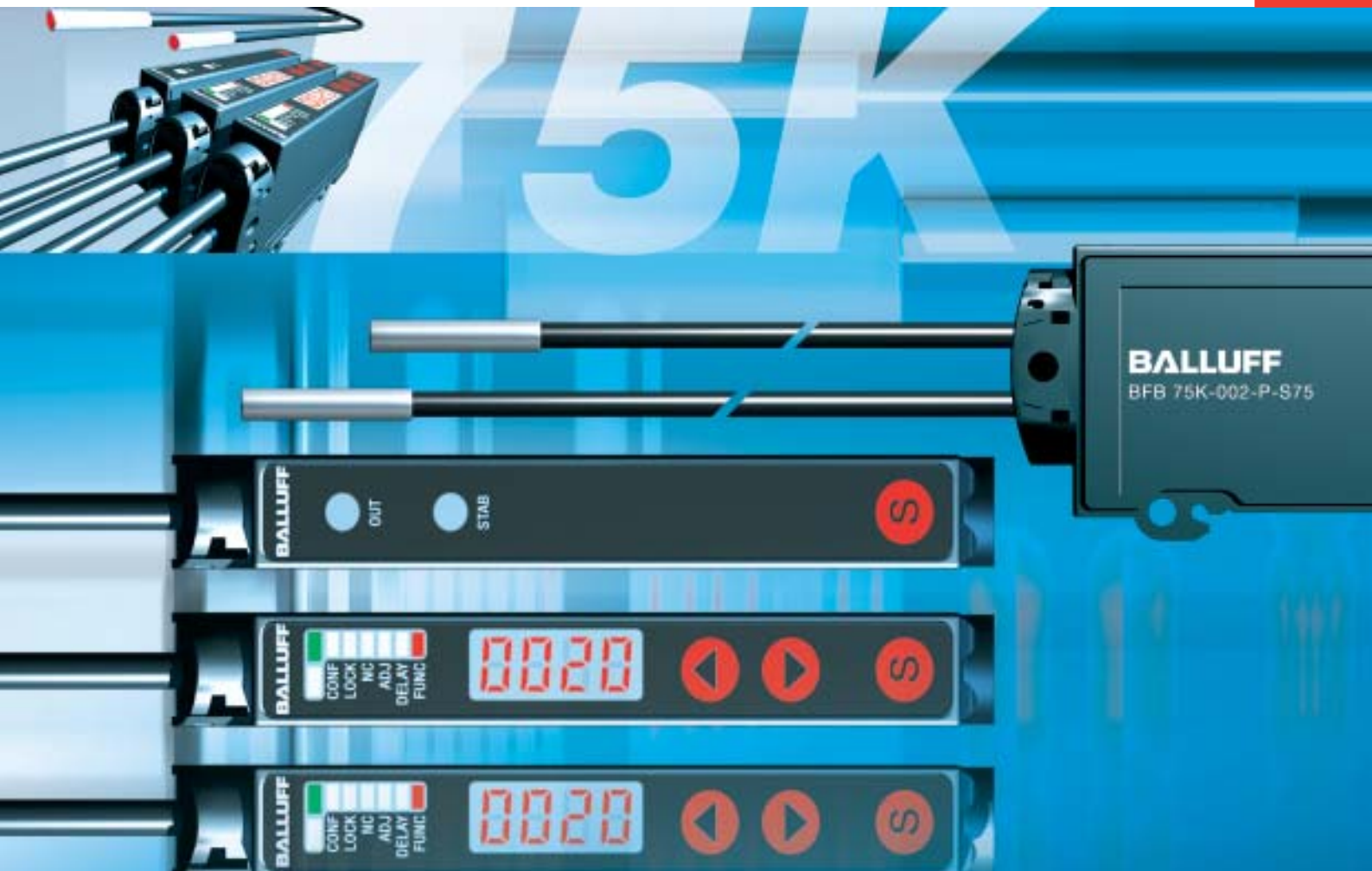


## Fiber Optic Base Units BFB 75K

... the compact all-rounders



# Fiber Optic Base Units BFB 75K

... the compact all-rounders

# BALLUFF

## Basic



### BFB 75K-001...

The economical base model for all standard applications.

Especially user-friendly:  
can be calibrated using a teach-in button or externally with a teach input.

## Advanced



### BFB 75K-002...

The all-rounder with 12-bit resolution, 4-digit display and up to 8 kHz switching frequency.

4 operating modes enable optimum matching of the sensor to the respective application.

Various time functions and variable time windows round out the performance features.

## Premium



### BFB 75K-003...

A true jack-of-all-trades: includes all the functions of the BFB 75K-002 with the addition of an analog output.

The proportional output signal (0...10 V) allows fiber optics to be used for remission or distance measurements.

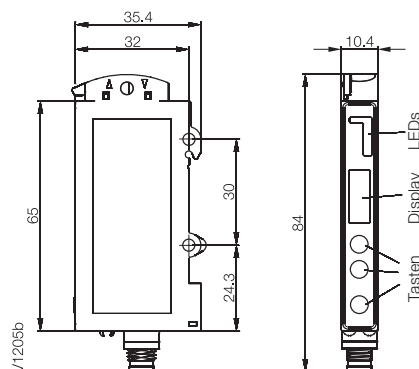
### General Technical Data

Supply voltage $U_B$	10...30 V DC
Output current	100 mA
Settings	Teach-in
Emitter, light type	LED, red light
Housing material	ABS
Enclosure rating	IP 64
Ambient temperature $T_a$	-20...+60 °C
Range	depends on fiber optics



### Overview of models

	Output			Display	Switching frequency	Connec-tion		Special features		
	PNP	NPN	Analog			Connector	Cable	4 operating modes	Time functions	Button disable
BFB 75K-001...	■	■			1,5 kHz	■	■			■
BFB 75K-002...	■	■		■	8 kHz	■	■	■	■	■
BFB 75K-003...	■	■	■	■	8 kHz		■	■	■	■



- Switching frequency up to 8 kHz
- 12-bit resolution
- DIN rail mount
- Automatic synchronization eliminates mutual interference
- Clear display layout
- Best price/performance ratio

Selectable operating modes for BFB 75K-002/003:

**Standard** for normal operation, **Fast** for fast processes, **Fine** for finest resolution as well as extended range with **High Distance**.

Ordering example:

**BFB 75K-**

Model	Output	Connection
001	P PNP	S75 4-pin
002	N NPN	M8 connector
003		02 2 m cable

The line of plastic fiber optics can be found in the main "Sensor Catalog", on CD-ROM, DVD-ROM or online!



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