

# RELIABLE RECESSED REED SENSOR SERIES MK36, MK37, MK38



REQUEST A QUOTE

High-Performance Non-Contact Switching for Seamless Security and Industrial Integration

Innovative Design Meets Easy Installation



## OVERVIEW

Standex Detect has launched a broad portfolio of recessed sensors designed for engineers seeking a reliable, easy installation solution for proximity sensing. These sensors are versatile products that have their roots in building security but can be found in a broad range of sensing applications. Every Standex Detect proximity sensor has the same goal: to provide reliable performance to meet your sensing needs.

## AT A GLANCE

The family is tiered to meet specific design constraints and power needs:

- ✓ MK36: Optimized for space with a shorter housing length.
- ✓ MK37: The standard for reliable, high-sensitivity signal switching.
- ✓ MK38: Features the highest power ratings (up to 100W) and the most versatile output options, including SPDT.



### AVAILABLE CUSTOMIZATIONS:

**Cable Harnesses:** Fully customizable cable lengths and types (including UL1569 and VdS-compliant versions).

**Magnet Pairing:** Mix and match with various Standex magnets to achieve specialized switching distances.

**Adapter Options:** 2 different adapter styles are available for installation in steel applications.

Whether you need standard sensors or a fully customized solution, Standex Detect is ready to partner with you. Let's talk about your needs!

# MK36, MK37, MK38 REED SENSORS

Innovative Design Meets Easy Installation

## KEY FEATURES

- ✓ **Broad Power Range:** From signal loads (3W) to high-current capabilities (up to 100W / 1.0A), providing flexibility for everything from security panels to heavy-duty equipment.
- ✓ **Versatile Logic Options:** Available in Normally Open (NO), Normally Closed (NC), and Single Pole – Double Throw (SPDT) configurations to match your specific system logic.
- ✓ **Enhanced Sabotage Detection:** Select models feature a 4-wire sabotage loop designed to detect sensor tampering immediately.
- ✓ **Steel Door Compatibility:** Optional adapters allow sensors to be used in  $\varnothing 3/4"$  holes and isolate them from ferromagnetic materials, ensuring proper function in steel door applications.
- ✓ **Rugged Reliability:** IP67 rated for exceptional resistance to moisture, chemicals, and dust, delivering millions of fault-free operations.

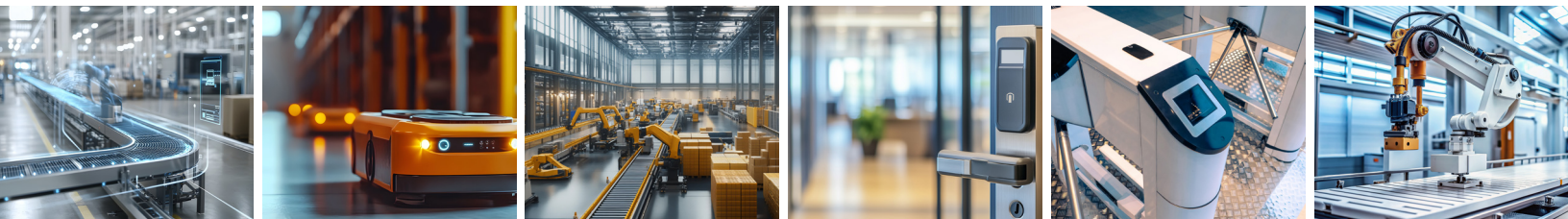


**Note:** Mounting to ferromagnetic material can decrease activation distance. If mounting to ferromagnetic material use an adapter.

SERIES	MK36	MK37		MK38		
Contact Data	1A	1A	1B	1A66	1A85	1B90 / 1C90C
Switch Type	Normally Open	Normally Open	Normally Closed	Normally Open	Normally Open	Normally Closed / Changeover
Max Power (W):	3	10	3	10	100	3
Max Switching Voltage (VDC):	30	180	30	180	300	30
Max Switching Current (A):	0.2	0.5	0.2	0.5	1.0	0.2
Typical Lifetime Resistive Load 12V at 5mA (Operating Cycles):	$\geq 10^7$	$\geq 10^8$	$\geq 10^7$	$\geq 10^8$	$\geq 10^8$	$\geq 10^7$
Activation Distance (min.) with Mating Magnet mm [inches]:	17 [0.67"]	19 [0.75"]	16 [0.63"]	21 [0.83"]	20 [0.79"]	17 [0.67"]
Release Distance (max.) with Mating Magnet mm [inches]:	25 [1.00"] M36 – N42	32 [1.25"] M37 – N42	26 [1.02"] M37 – N42	36 [1.42"] M38 – N42	36 [1.42"] M38 – N42	28 [1.10"] M38 – N42

### MARKETS & APPLICATIONS:

- ✓ Security and Access Control
- ✓ Smart Appliances
- ✓ Building Automation
- ✓ Industrial Equipment



Please note: All technical specifications on this flyer refer to the standard product range. Modifications in the sense of technical progress are reserved. For general information only. For more specific information, please consult the product datasheet, available upon request.



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