

deTec4 Kits

SIMPLE. RELIABLE. INTELLIGENT

New SICK Safety Light Curtain Kits

SICK has 70 years' experience in machine safety and can provide you with customized solutions and services that deliver the expertise that is necessary to implement safety in your machines in compliance with directives.

In partnering with us, SICK is capable of making a contribution to the ongoing development of the safety culture in your organization with the aim of:

- ✓ Improving the safety of existing machines and systems
- ✓ Ensuring integral safety on new machines and systems

SICK has provided deTec kits to ease the ordering process and the management of part numbers for a complete solution.

Which deTec kit should I choose?

deTec4 kit

- ✓ Comprehensive alignment assistance
- ✓ Adaptability and increased functionality
- ✓ Faster device exchange due to system plug concept
- ✓ Predictive maintenance and simple troubleshooting

deTec4 Core kit

- ✓ Standalone safeguard only applications
- ✓ Limited functionality and diagnostics

deTec4 kit



This kit includes a sender, receiver, Flex Fix mounting kit, and system plugs. The deTec4 is equipped for the future with on-board IO-Link and NFC for diagnostics. Also optional are kits that include the end cap LED on the receiver for status indication.

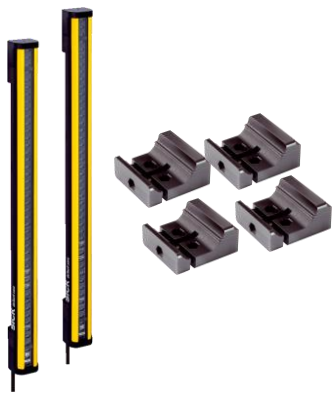
Additional Features

- ✓ Integrated laser alignment
- ✓ End cap LED for status indication
- ✓ DIP switch configuration
- ✓ Display synchronization of top and bottom beams
- ✓ Application diagnostic output
- ✓ IO-Link
- ✓ NFC
- ✓ Plus all deTec4 Core Features

Additional Functionality

- ✓ Beam coding
- ✓ Restart interlock
- ✓ External device monitoring
- ✓ Cascading
- ✓ Smart presence detection
- ✓ Reduced resolution
- ✓ Dynamic protective field width during operation
- ✓ Sender with reduced scanning range
- ✓ Muting
- ✓ Plus all deTec4 Core functionality

deTec4 Core kit



This kit includes a sender, receiver, and Quick Fix mounting kit. The deTec4 Core has limited functionality but may be a best fit solution for basic applications.

Features

- ✓ Resolution: 14/30 mm
- ✓ Scanning range: 10/15 m
- ✓ Protected field height: 300–2100 mm
- ✓ No blind zones

Functionality

- ✓ Protective operation
- ✓ Automatic calibration of the protective field width

Selecting a deTec4

Use this step-by-step guide for selecting your deTec4 components



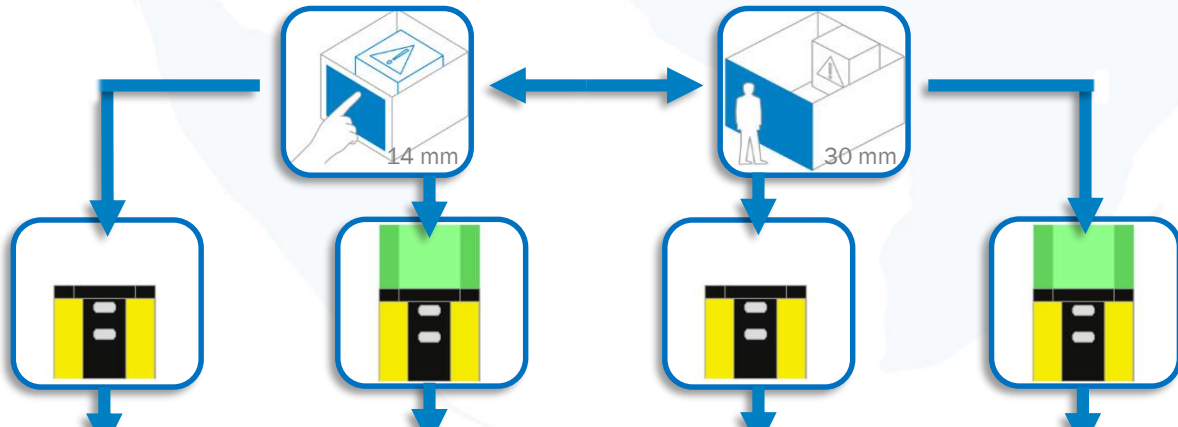
1 Select the deTec4 kit

deTec4 kit includes



Beam resolution: 14mm or 30 mm

Receiver: with or without end cap LED



Protected Field Height:


	14 MM W/O LED	14 MM W/ LED	30 MM W/O LED	30 MM W/ LED
	Kit Part Number	Kit Part Number	Kit Part Number	Kit Part Number
300 MM	1102996	1103388	1103375	1103401
450 MM	1103362	1103389	1103376	1103402
600 MM	1103363	1103390	1103377	1103403
750 MM	1103364	1103391	1103378	1103404
900 MM	1103365	1103392	1103379	1103405
1050 MM	1103366	1103393	1103380	1103406
1200 MM	1103367	1103394	1103381	1103407
1350 MM	1103368	1103395	1103382	1103408
1500 MM	1103370	1103396	1103383	1103409
1650 MM	1103371	1103397	1103384	1103410
1800 MM	1103372	1103398	1103385	1103411
1950 MM	1103373	1103399	1103386	1103412
2100 MM	1103374	1103400	1103387	1103413

Selecting a deTec4

Use this step-by-step guide for selecting your deTec4 components

2 Select Cabling

Cables: **2x required, one for sender & one for receiver**

Type	Figure	Length	Model Name	P/N
Female connector, M12, 5-pin		2 m	YF2A15-020UB5XLEAX	2095617
		5 m	YF2A15-050UB5XLEAX	2095618
		9 m	YF2A15-090UB5XLEAX	2095846
		10 m	YF2A15-100UB5XLEAX	2095619
		15 m	YF2A15-150UB5XLEAX	2095620
		20 m	YF2A15-200UB5XLEAX	2095614
		30 m	YF2A15-300UB5XLEAX	2095621

[Click here for a connection tutorial](#)

3 Select Safety Relay

Safety Relays



RLY3-OSSD200 P/N 1085344

[Click here for a safety relay tutorial](#)

4 Selection Optional System Plugs

System Plugs: Optional



Type1000 P/N 2076832*



Type1100 P/N 2076833 *



Type1200 P/N 2076834 *



Type1300 P/N 2076835 *



Type2000 P/N 2093097



Type2100 P/N 2093098



Type2200 P/N 2093099



Type 2300 P/N 2093100

*For the sender stick always select system plug Type1xxx

[Click here for a system plug tutorial](#)

5 Select Optional Accessories

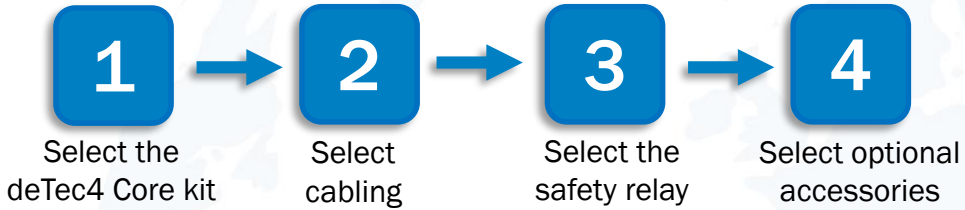
Accessories

deTec4 accessories can be found at www.sickusa.com



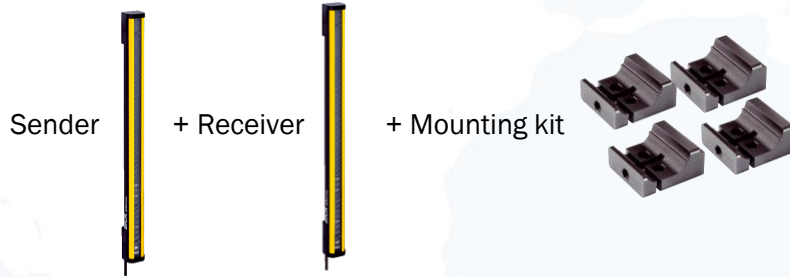
Selecting a deTec4 Core

Use this step-by-step guide for selecting your deTec4 Core components

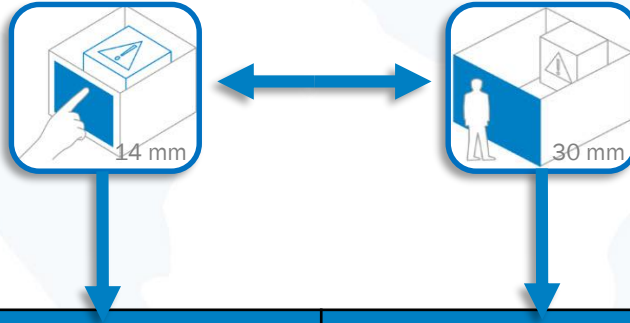


1 Select the deTec4 Core kit

deTec4 Core kit includes



Beam resolution:
14mm or
30 mm



Protected Field Height:


	14 MM	30 MM
	Kit Part Number	Kit Part Number
300 MM	1063362	1063375
450 MM	1063363	1063376
600 MM	1063364	1063377
750 MM	1063365	1063378
900 MM	1063366	1063379
1050 MM	1063367	1063380
1200 MM	1063368	1063381
1350 MM	1063369	1063382
1500 MM	1063370	1063383
1650 MM	1063371	1063384
1800 MM	1063372	1063385
1950 MM	1063373	1063386
2100 MM	1063374	1063387

Selecting a deTec4 Core

Use this step-by-step guide for selecting your deTec4 Core components

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		15 m	YF2A15-150UB5XLEAX	2095620
		20 m	YF2A15-200UB5XLEAX	2095614
		30 m	YF2A15-300UB5XLEAX	2095621

3 Select Safety Relay

Safety Relay



RLY3-OSSD200 P/N 1085344

[Click here for a safety relay tutorial](#)

4 Select Optional Accessories

Accessories

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deTec4 BOM Generator

If another deTec4 solution is needed, "Expert Mode" will generate a BOM online

[BOM Generator](#)

PRODUCT SELECTION

System configuration

Individual products

> Expert mode

APPLICATION

FUNCTIONS

DIAGNOS

OVERVIEW

Directly to the result