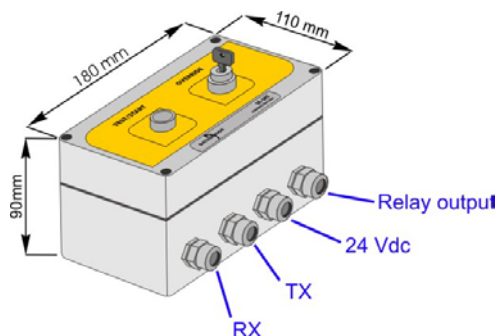




# SE-SRT SERIES INSTRUCTION MANUAL



## GENERAL INFORMATION

The **SE-SRT** connection box facilitates the connection and use of the SE4T-L MUTING and SE4-R safety light curtains.

The device externally presents:

- A key-switch for override function.
- A TEST/START push-button for the activation of the Test, Restart, Reset .

The connection box contains:

- Extractable clamps for
  - Receiving unit connection (J1)
  - Emitting unit connection (J2)
  - Power supply connection to 24V (J3)
  - Relay output connection (J4)
  - External control unit connection (precabled).
- Two RLY1 and RLY2 relay outputs each with two N.O. open contacts.



**Use both relays to guarantee the safety function.  
The use of one single relay can reduce the system's safety degree.**



**K11 K12 + K21 K22**



~~**K11 K12 + K13 K14**~~

## FUNCTIONS

The **SE-SRT** connection box allows to manage directly the following functions, without the need to carry-out other operations:

FUNCTION	USING	PROCEDURE
TEST	TEST/START push-button	Press push-button for at least 0.5 sec.
RESTART	TEST/START push-button	Press push-button for at least 0.5 sec. if manual reset function has been selected using the dip-switches of the RX unit.
RESET	TEST/START push-button	Press push-button for at least 5 sec. if device presents functioning irregularity.
EDM	Precabled	The control is active if the function has been selected using the dip-switches of the RX unit.
OVERVERRIDE	Key-switch + TEST/START push-button	Switch the key selector kept the position . It can be possible to enable the function under certain condition only (refer to the instruction manual of the SE4T-L MUTING and SE4-R series. <b>Note 1:</b> When Override function is active, the external Muting signalling device blinks to indicate the exclusion of the safety device. <b>Note 2:</b> The maximum duration of the Override function is 120 sec., after which the light curtain returns to normal functioning even if key selector is kept pressed. If the key selector is released before the maximum period, the Override function is immediately deactivated.

For more information please refer to the instruction manual of the SE4T-L MUTING and SE4-R series.

## RELAY SPECIFICATIONS

The connection box uses 2 force-guided contact relays.

The use of these relays within the given specifications is recommended, even if the manufacturer specifies the use of these relays for voltage and currents superior to these values.

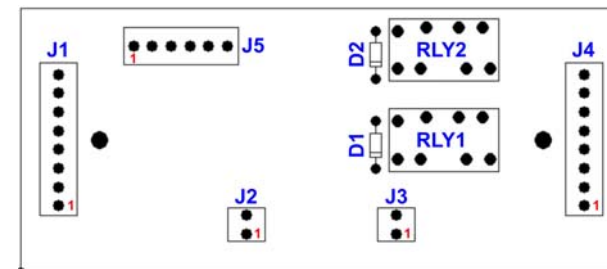
To guarantee the correct isolation and avoid damage as well as premature ageing, each line has to be protected using a delayed 6A fuse and the load characteristics have to conform with the following indications:

**Max. switching voltage:** 250 Vac  
**Max. switching current:** 2 A

## INSTALLATION

Wall mounting is possible using the internal slots that can be accessed opening the box and eliminating the screws necessary for the fixing of the PCB.

### ELECTRICAL CONNECTION:



Connector	Pin	Description
J1	1	24 Vdc (RX unit)
	2	GND (RX unit)
	3	OSSD1 (RX unit)
	4	OSSD2 (RX unit)
	5	EDM (RX unit)
	6	OVERVERRIDE 1 (RX unit)
	7	TEST/START (RX unit)
	8	OVERVERRIDE 2 (RX unit)
J2	1	24 Vdc (TX unit)
	2	GND (TX unit)
J3	1	24 Vdc (External power supply)
	2	GND (External power supply)
J4	1	K11 N.O. external contact #1, Relay 1
	2	K12 N.O. external contact #2, Relay 1
	3	K13 N.O. external contact #1, Relay 2
	4	K14 N.O. external contact #2, Relay 2
	5	K21 N.O. external contact #1, Relay 2
	6	K22 N.O. external contact #2, Relay 2
	7	K23 N.O. external contact #1, Relay 1
	8	K24 N.O. external contact #2, Relay 1
J5	1	TEST/START push-button (precabled)
	2	TEST/START push-button (precabled)
	3	Key-switch (precabled)
	4	Key-switch (precabled)
	5	Key-switch (precabled)
	6	Key-switch (precabled)

### DECLARATION OF CONFORMITY

We DATASENSOR S.p.A. declare under our sole responsibility that these products are conform to the 2004/108 CEE, 73/23 CEE Directives and successive amendments.



### WARRANTY

DATASENSOR S.p.A. warrants its products to be free from defects. DATASENSOR S.p.A. will repair or replace, free of charge, any product found to be defective during the warranty period of 36 months from the manufacturing date.

This warranty does not cover damage or liability deriving from the improper application of DATASENSOR products.

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