

INSTALLATION (INDOOR)

Remove supplied key, screws and centre plug from the back box. If using back box, ensure incoming wiring passes through it and fix to the mounting surface using suitable fasteners.

Wire for application – internals for each unit are shown below & example wirings are overleaf.

Insert larger end of key into the front locking pin and turn 90° anticlockwise to unlock the unit front. Lift the front up and away from the bottom. Use the supplied fixings and tool to fix the wired unit to the back box

INSTALLATION (W/PROOF)

Remove supplied key, screws and centre plug from packaging. Insert larger end of key into the front locking pin and turn 90° anticlockwise to unlock the unit front. Lift the front up and away from the bottom.

Separate the back box and unit front by removing the 4 fasteners in each corner using the tool provided. Ensure incoming wiring passes through the back box and fix to the mounting surface using suitable fasteners. Rear, top and bottom cable entries are supplied. Take care to not compromise the seals. Wire for application – internals for each unit are shown below & example wirings are overleaf.

For all units ensure the break plate sits on the internal peg and retaining arm, pushing the microswitch in. For reset plates, use the same method but allow for the internal peg to pass through the matching hole on the plate. Push upwards into the switch until the retaining arm springs upwards from behind the plate and engages with the plate edge.

Reassemble front cover (reverse of removal) and insert the centre plug to cover the locking pin.

RESET TEST

For resettable units, push the front plate inwards. This will release the microswitch actuator and activate the unit. Ensure the unit has electrically switched. Insert the key at the bottom of the unit and turn clockwise ~90° until the reset plate releases from the retaining arm and drops downwards. Turn the key anticlockwise to original position and push inwards until the retaining arm springs back up to lock the plate in place against the microswitch. Remove the key and ensure unit has switched back.

VARIANTS

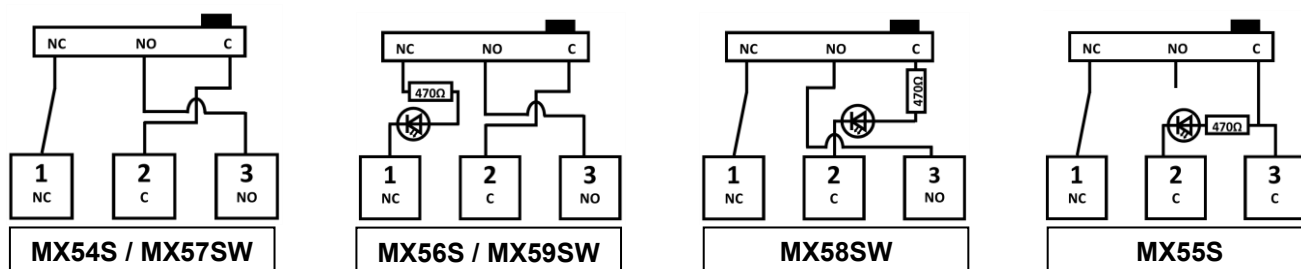
INDOOR UNITS					
ROOT PART	COLOUR	RESETTABLE / BREAK	COVER	APPLICATION / FEATURE	ELECTRICAL RATING
MX54S	G - GREEN B - BLUE Y - YELLOW W - WHITE R - RED*	S RESETTABLE	C FRONT COVER	STANDARD C/O SWITCH	250VAC / 3A MAX 50VDC / 5A MAX
MX55S		IF OMITTED BREAK PLATE	IF OMITTED NO COVER	WITH LED	13VDC / 5A MAX
MX56S		SUPPLIED RESETTABLE		WITH LED, FOR MAGLOCK	13VDC / 5A MAX

OUTDOOR W/PROOF UNITS					
ROOT PART	COLOUR	RESETTABLE / BREAK	COVER	APPLICATION / FEATURE	ELECTRICAL RATING
MX57SW	G - GREEN B - BLUE Y - YELLOW W - WHITE R - RED*	S RESETTABLE	C FRONT COVER	STANDARD C/O SWITCH	250VAC / 3A MAX 50VDC / 5A MAX
MX58SW		IF OMITTED BREAK PLATE	IF OMITTED NO COVER	WITH LED	13VDC MAX
MX59SW		SUPPLIED RESETTABLE		WITH LED, FOR MAGLOCK	13VDC / 5A MAX

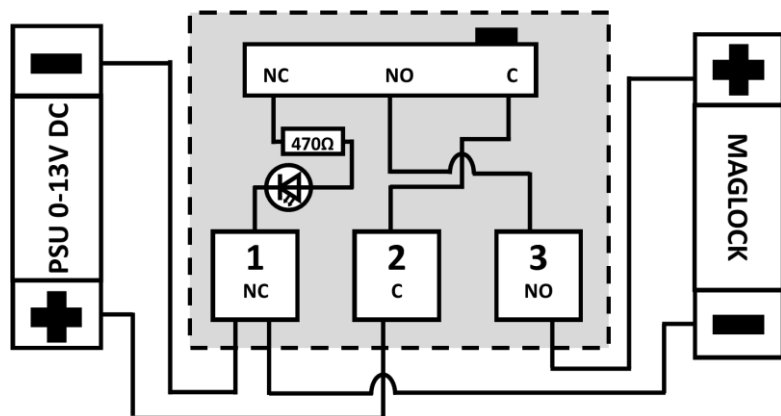
*Red units are made specifically for fire applications, with a 470Ohm resistor, and instructed separately.

E.g. MX54SGSC = Green, Resettable, with cover

INTERNAL WIRING



WIRING EXAMPLE: MX56S / MX59SW WITH MAGLOCK



Connect PSU and Maglock negatives to #1

Connect PSU positive to #2

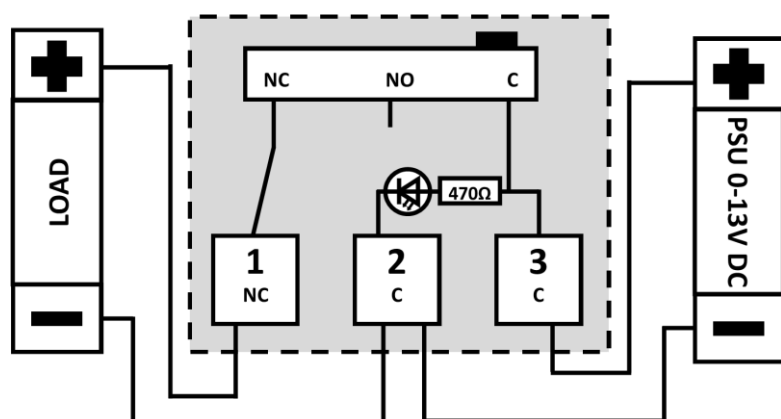
Connect Maglock positive to #3

When inactive, the unit will pass power to the maglock.

On activation, maglock will de-energise and the LED will light as an indicator that the unit has been triggered.

Resetting extinguishes the LED and re-energises the maglock.

WIRING EXAMPLE: MX55S WITH LOAD



Connect PSU and Load negatives to #2

Connect PSU positive to #3

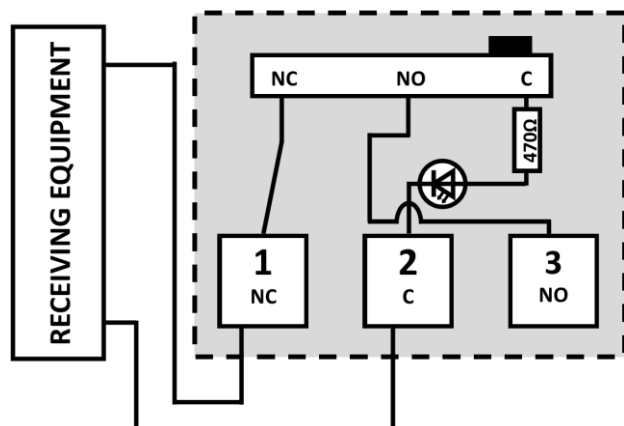
Connect Load positive to #2

The LED in this circuit is full time, remaining lit regardless of unit state (if it is powered).

On activation, the load will be placed in parallel with the LED circuit, energising it.

Resetting removes power from the load.

WIRING EXAMPLE: MX58SW



THIS UNIT IS SUITABLE ONLY FOR SENSORY APPLICATIONS

Connect receiving equipment negative to #2

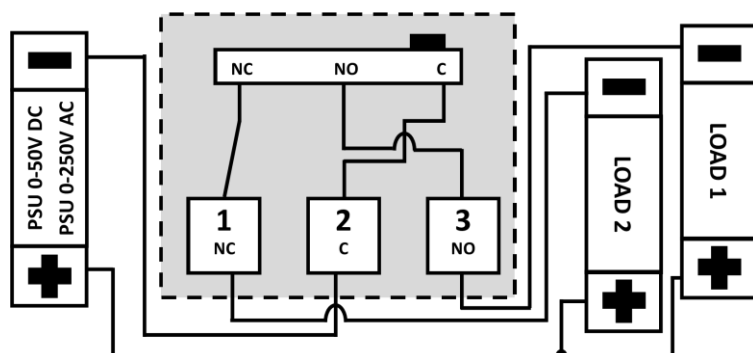
Connect receiving equipment positive to #1

When inactive, the circuit is open and the LED off.

On activation, the receiving equipment circuit will complete, and the LED will light.

Connect receiving equipment positive to #3 for opposite operation, or wire as the specific equipment demands.

WIRING EXAMPLE: MX54S / MX57SW



This unit is a dry C/O switch without protection circuitry. Ensure your wiring will not short any power circuitry in either state!

Connect PSU positive and all load positives separately of the unit wiring.

Connect PSU negative to #2

Connect load 1 negative to #3, and load 2 negative to #1

When inactive, load 1 is energised. Activating the unit will de-energise load 1 and power load 2.

May instead be used as a sensor without power input – In this case wire as per the application demands.

Note for all products: When inactive, the C → NO circuit is closed and the C → NC circuit is open. Circuit states will flip on activation as the microswitch is released.