

814RB

Generation 6 MX Relay Base



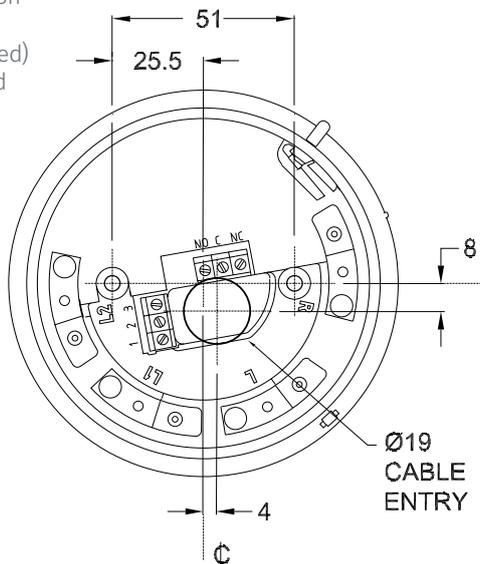
Features

- Compatible with MX Addressable Loop on the VIGILANT MX1 and MX4428 fire panels
- MX Loop powered
- Dual change-over contacts
- Compatible with 800, 814, 850 series detectors

The 814RB MX Addressable Relay Base provides two sets of change-over volt-free relay contacts capable of switching 1A (resistive) @30Vdc. The relay function is controlled by the VIGILANT MX Control and Indicating Equipment (CIE) via the addressable detector fitted to the 814RB. The 814RB may be mounted to the ceiling, or plugged into a 4B Universal base or 4B-I Isolator base or 4B-C Continuity base.

Fixing

The 814RB should be positioned as per the site plan, fixed to a suitable flat surface strong enough to support the weight of the base and detector. Two screws 4mm diameter are required (not supplied) for fixing the base. Two sets of knockouts (1 knockout each side, 2 places) must be removed using a small screwdriver or similar. When fixing the 814RB directly to a junction box or ceiling, the clear cover (supplied) must be positioned between the base and the junction box/ceiling. Alternatively, the 814RB may be plugged into a 4B, 4B-I, or 4B-C base.

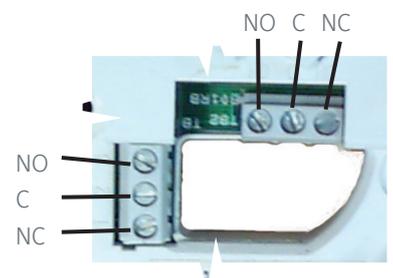


Specifications

Loop Voltage ¹	20V to 40Vdc
Quiescent Current ²	50µA
Relay	2 changeover volt-free contacts
Switching Current	1A @ 30Vdc (resistive)
Remote Indicator	VIGILANT E500 Mk2
Max. 814RB per loop ³	250/200
Dimensions (H x Dia)	37 x 108mm
Colour	White
Weight	153g
Ambient Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% to 95% (non cond.)
<i>Indoor Applications Only</i>	
ActivFire Listed	with MX Detectors
FPANZ Listed	VF/638
Part Number	814RB

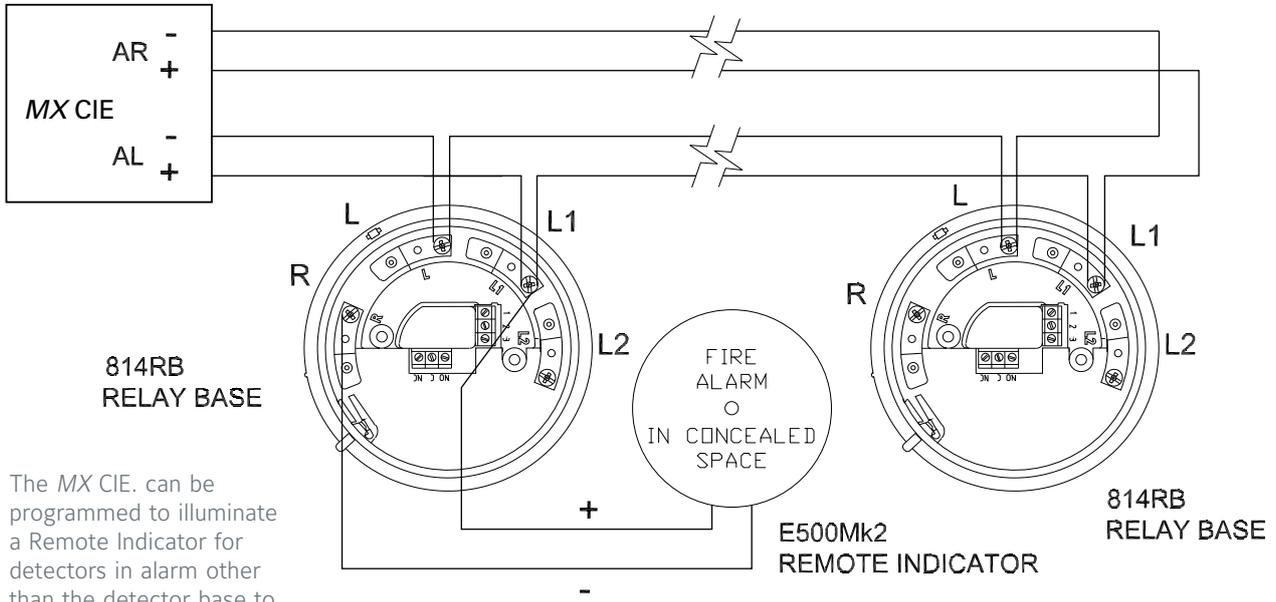
1. Addressable loop voltage provided by MX CIE
2. Power-up 450µA for less than 1 sec
3. MX4428/MX1, 4100MXP. Refer to appropriate manual: LT0273 (MXP), LT0313 (4100MXP), LT0360 (MX1-NZ), LT0441 (MX1-Au) for design specifications

814RB Relay Terminals



Wiring

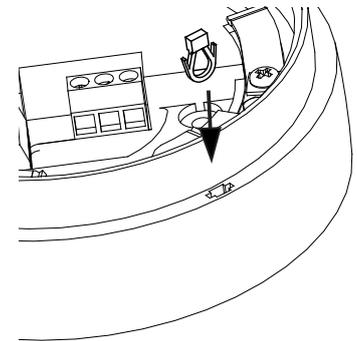
Loop wiring is connected to base terminals L (-ve) and L1 (+ve). A remote indicator may be fitted between loop positive L1 (+ve) and terminal R (-ve). A maximum of two 1.5mm² or one 2.5mm² cables may be connected at any one terminal, unless suitable fork or eyelet crimp terminals are used. Terminal L2 must be left unconnected.



814RB Relay Base Wiring—Addressable Systems

Locking Key

The MX range of bases feature a detector lock facility. A key inserted into a base as shown will lock a detector in position. A small screwdriver can be used to depress the locking key through a hole in the detector cover, allowing the locked detector to be removed. The locking key part number is 517.050.005, and is available in packs of 100.



Locking Key

Maintenance And Service

The VIGILANT MX addressable system should be maintained in accordance with AS 1851 or NZS 4512. The VIGILANT X300 Smoke Tester, X461 Heat Tester and CO test gas (part no. 517.001.262) may be used for testing the detector *in-situ*. Rotating the detector anticlockwise past an indent to the park position disconnects the detector from the circuit whilst still retaining it in the base, allowing loop testing etc. Depressing the plunger at the side of the base allows the detector to be rotated back into its operating position.

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VIGILANT, a respected regional brand of Johnson Controls, is a technology leader in the Australian and New Zealand fire detection markets with AS and NZS product approvals. The VIGILANT product line includes a comprehensive range of MX TECHNOLOGY fire detection products and the market-leading QE90 voice evacuation systems. VIGILANT product is widely supported throughout Australia and New Zealand by a network of installation companies, service companies and distributors.

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