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: 20V to 40Vdc
- Quiescent Current: 50µA
- 2 changeover volt-free contacts
- 1A @ 30Vdc (resistive)
- VIGILANT E500 Mk2
- Remote Indicator: 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.)
- Indoor Applications Only
- ActivFire Listed
- FPANZ Listed
- Part Number: VF/638

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
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

The MX CIE can be programmed to illuminate a Remote Indicator for detectors in alarm other than the detector base to which it is connected.

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.

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.