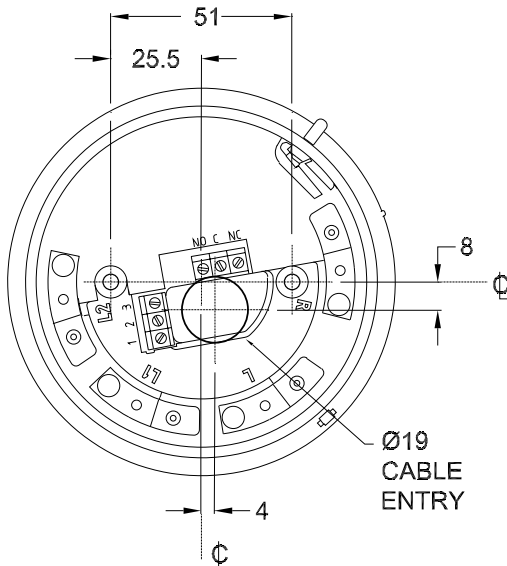
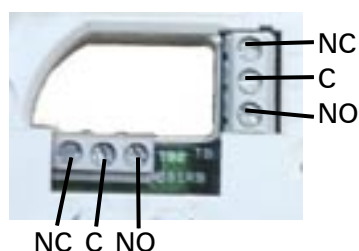


**INFORMATION SHEET**
**DESCRIPTION**

The 814RB Addressable Relay Base provides two sets of changeover volt-free relay contacts capable of switching 1A (resistive) @30Vdc. The relay function is controlled by the Tyco MX Control and Indicating Equipment (c.i.e.) via the addressable detector fitted to the 814RB. The 814RB may be mounted to the ceiling, or plugged into a 5B (Universal Base) or 5BI Isolator 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 5B or 5BI base.


**814RB Relay  
Terminals**

**SPECIFICATIONS**

Loop Voltage <sup>1</sup>	20V to 40Vdc
Quiescent Current <sup>2</sup>	50µA
Relays	2 changeover volt-free contacts
Switching Current <sup>3</sup>	1A @ 30Vdc
Remote Indicator	Tyco E500 Mk2
Max. 814RB per loop <sup>4</sup>	200/250
Dimensions (H x Dia)	37 x 108 mm
Weight	153g
Ambient Temperature	-10°C to +55°C
Storage Temperature	-25°C to +70°C
Relative Humidity	10% to 95% (non cond.)

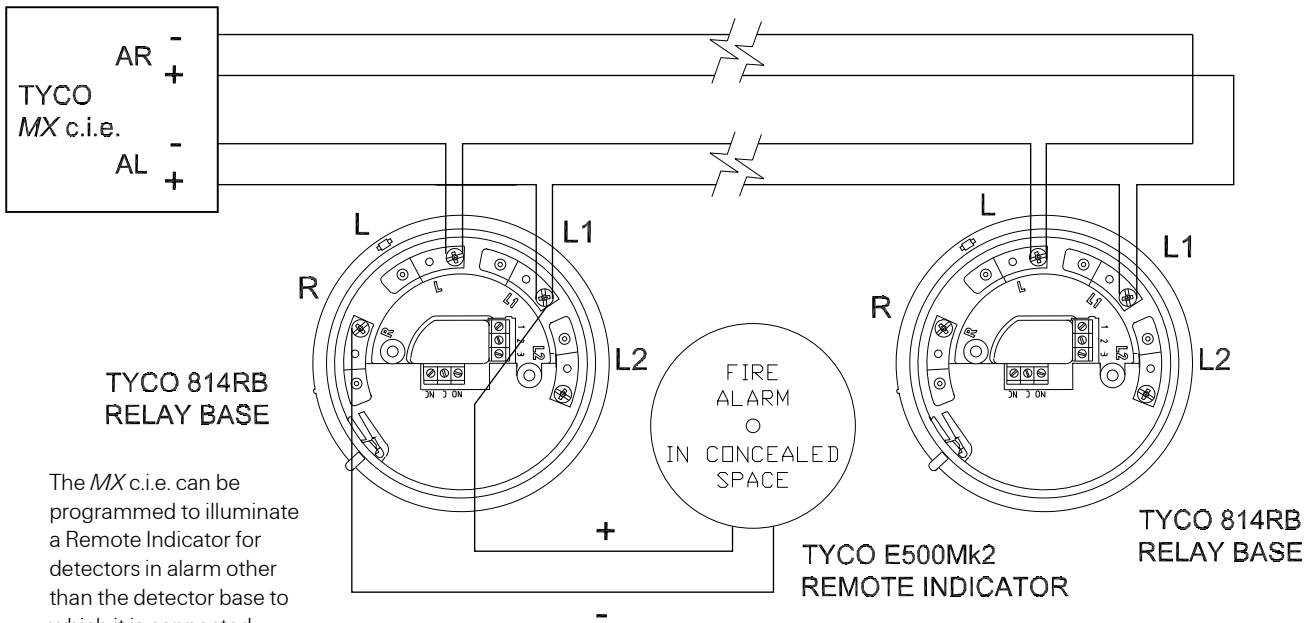
*Indoor Applications Only*

**Part Number** 814RB

1. Addressable loop voltage provided by MX c.i.e.
2. Power-up 450µA for less than 1 sec.
3. Resistive load.
4. 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 1.5mm<sup>2</sup> or one 2.5mm<sup>2</sup> cables may be connected at any one terminal, unless suitable fork or eyelet crimp terminals are used. Terminal L2 must be left unconnected.

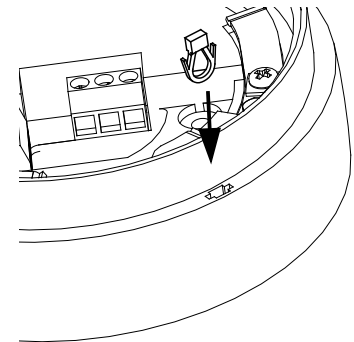


The MX c.i.e. can be programmed to illuminate a Remote Indicator for detectors in alarm other than the detector base to which it is connected.

**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 5 17.050.005, and is available in packs of 100.



**Locking Key**

**MAINTENANCE AND SERVICE**

The Tyco MX addressable system should be maintained in accordance with AS 1851/NZS 4512. The Tyco X300 Smoke Tester, X461 Heat Tester and CO test gas (part no. 5 17.001.262) 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. Wormald Detector Clean & Calibration, Wollongong, are able to check the calibration of most detectors.



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