



#### Head Office

Ringway Control & Automation  
ABN 47 087 315 179  
4 Lady Penrhyn Dr,  
Unanderra, NSW 2526  
[products@ringway.com.au](mailto:products@ringway.com.au)  
Ph 02 4255 4300 Fax 02 42718990

#### Mackay Office

Ringway Materials Handling  
Unit 10 Woodman Pde,  
Mackay, QLD 4740  
[products@ringway.com.au](mailto:products@ringway.com.au)  
Ph 07 49524001 Fax 07 49522216



## IS DUAL RELAY RECEIVER

P/N – RLISRX2\_AC

Ex ia – IECEx TSA 08.0029X

### RINGLINE TWO CHANNEL RELAY RECEIVER WITH 110/240V SUPPLY

#### DESCRIPTION:

RLISRX2\_AC is a galvanically isolated, DIN-Rail mounted, 2 channel relay output receiver module, which decodes two discrete channels from the Ringline System and provides two change-over relay outputs for use in client circuitry. It is powered from either 110VAC or 240VAC.

#### FEATURES:

- **Simple, robust and functional.**
- **Mains powered from either 110VAC or 240VAC.**
- **Status indication for “Power ON”, “Signal OK”, “Relay 1” and “Relay 2”.**
- **Standard DIN rail mount enclosure.**
- **Optical isolated between client circuitry and the Ringline field bus.**
- **Direct connection to Intrinsically Safe Ringline without barriers.**
- **Read only. Cannot interfere with the integrity of the Ringline Emergency Stop System.**
- **High reliability in noisy environments.**

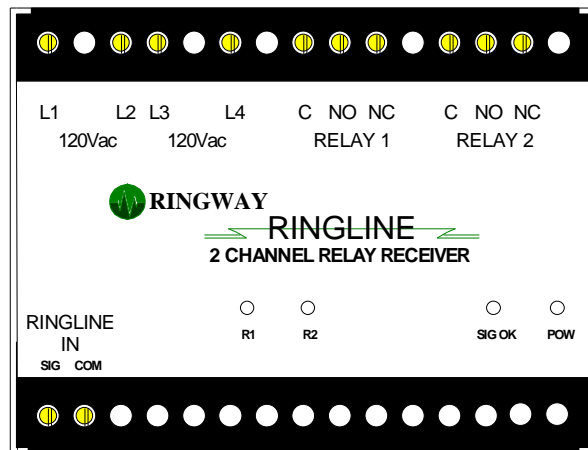
#### APPLICATIONS:

This unit was originally designed to provide sequence control for the Ringline Emergency Stop System. In this format, it is used as a N/O N/C series interlock in the preceding control system. It may however be used as two general purpose receivers for any two channels on the Ringline system. It may be used on either Ringline 128 or Ringline 192. Each relay output provides a single pole change-over contact.

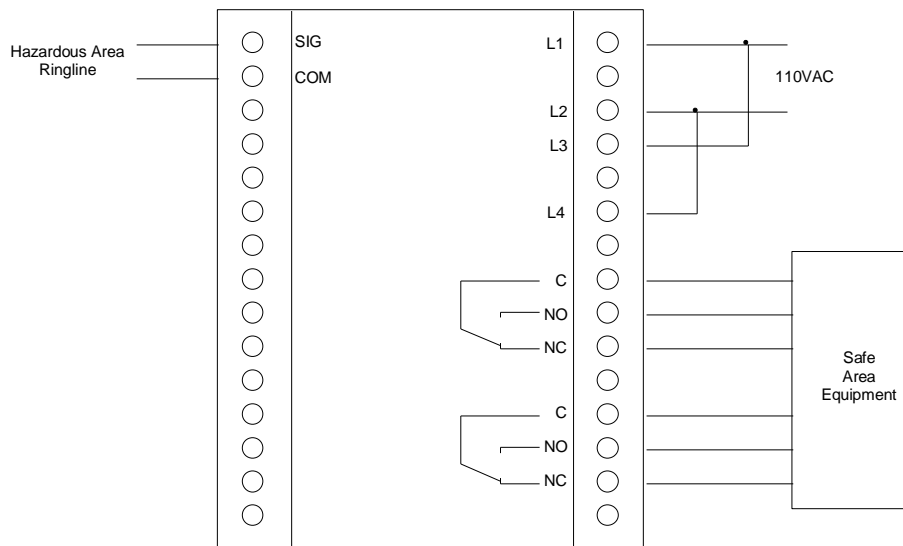
**Application Note :** When switching inductive loads it is recommended that back EMF surge suppression be used at the source of the back EMF surge. (ie the contactor coil.) This will help preserve contact tips.

## BRIEF TECHNICAL SPECIFICATIONS:

<b>Power Supply:</b>	110V or 240V ac
<b>Input:</b>	Ringline field bus. 128 or 192 channels
<b>Isolation from Ringline Field Bus:</b>	5000 volts
<b>Input Isolation Protection:</b>	Fused 250V 4kA
<b>Addressing:</b>	Fixed at Factory. (May be factory altered)
<b>Signal Noise Filtering:</b>	Three cycles
<b>Output:</b>	2 x Single pole changeover contacts.
<b>Contact Isolation from Control Supply:</b>	4000V
<b>Contact Ratings Resistive Load:</b>	8A max 250VAC 30VDC
<b>Contact Ratings Inductive Load:</b>	2A max 250VAC 30VDC (see application note)
<b>Dimensions:</b>	100mm (W), 75mm (H), 110mm (D)
<b>Certification:</b>	IECEX TSA 08.0029X



Face Plate Showing Terminals and Indication



Typical Termination