



ANLY CONTROLLER

EC4-1 EXCHANGE RELAY



CHARACTERISTIC :

- Switching Mode Power Supply for 100-240V AC/DC operation
- Up to 4 loads can be individually selected via DIP switch
- Up to 11 load combinations are possible
- Load 1 & 2 are SPDT contacts; Load 3 & 4 are SPST N.O. contacts
- 0.2 to 10 sec Change Time
- S1, Load exchange signal can be rising-edge or falling edge
- S2, All-On signal can force all selected loads to start sequentially
- Load Memory can let users chose to either resume the running load or to always start from Load 1 after a power reset
- a power reset is required after setting changes

SPECIFICATION :

| | |
|-----------------------------------|--|
| Operating voltage | AC/DC(V): 100 - 240 |
| Allowable operating voltage range | 85~110% of rated operating voltage |
| Rated frequency | 50 / 60 Hz |
| Contact rating | 250VAC 5A (resistive load) |
| Reset time | MAX 0.1S |
| Power consumption | Approx. 2.3VA |
| Life | Mechanical: 5,000,000 times Electrical: 100,000 times |
| Ambient temperature | -10 ~ +50°C (without condensation & freezing) |
| Ambient humidity | MAX 85% RH (without condensation) |
| Altitude | MAX 2000m |
| Weight | Approx. 150g |

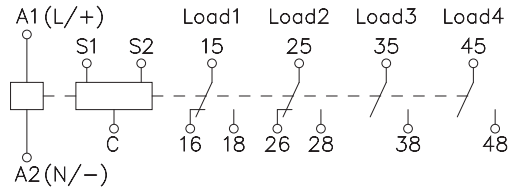
TYPE SELECTION :

EC4 - 1 Mode **A** — A=Power ON Start,Interval Exchange C=Power ON Start,Parallel Exchange
B=Signal ON Start,Interval Exchange D=Signal ON Start,Parallel Exchange

LOAD COMBINATIONS :

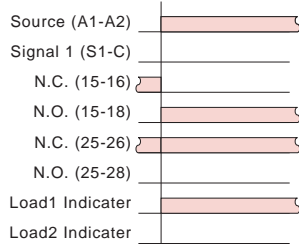
| Groups | 2 Loads | | | | | | 3 Loads | | | | 4 Loads |
|--------|---------|---|---|---|---|---|---------|---|---|----|---------|
| | 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Load 1 | ○ | ○ | ○ | | | | ○ | ○ | ○ | | ○ |
| Load 2 | ○ | | | ○ | ○ | | ○ | ○ | | ○ | ○ |
| Load 3 | | ○ | | ○ | | ○ | ○ | | ○ | ○ | ○ |
| Load 4 | | | ○ | | ○ | ○ | | ○ | ○ | ○ | ○ |

CONNECTION :

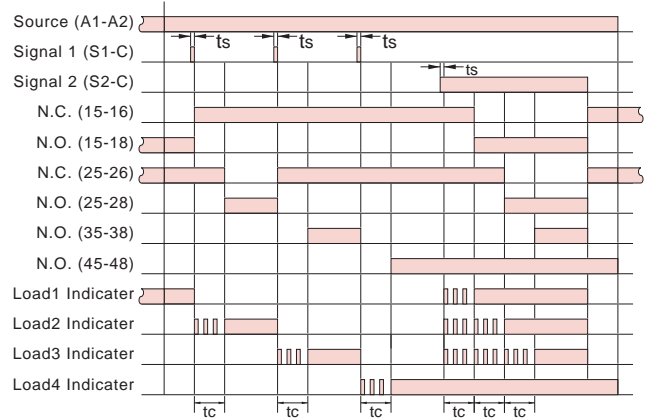


TIMING CHART :

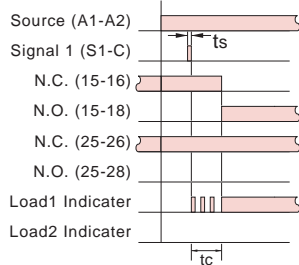
Power ON Start Mode A、C



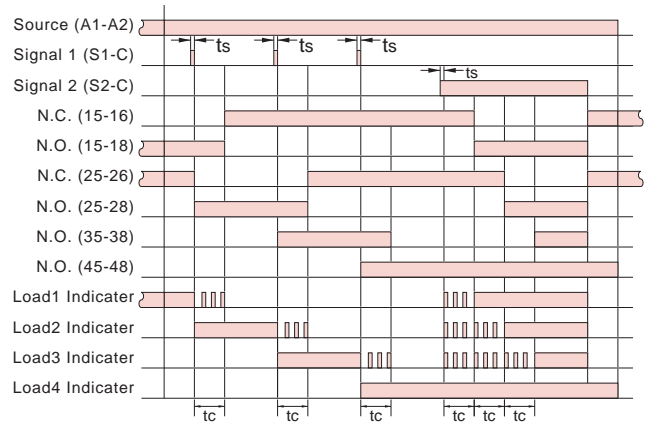
Interval Exchange Mode A、B



Signal ON Start Mode B、D

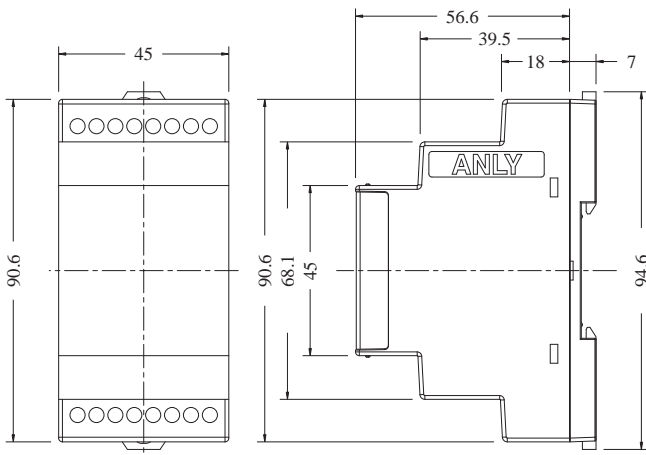


Parallel Exchange Mode C、D



ts : Signal time > 200ms tc : Change time

DIMENSIONS : (mm)



Tolerance: ±0.1

| Mode | A | B | C | D |
|----------------------|---|---|---|---|
| Power ON Start | ○ | | ○ | |
| Signal ON Start | | ○ | | ○ |
| Interrupted Exchange | ○ | ○ | | |
| Parallel Exchange | | | ○ | ○ |

ANLY ELECTRONICS CO., LTD.

<http://www.anly.com.tw>

TAIWAN MAIN OFFICE : ANLY ELECTRONICS CO., LTD.

No.19, Lane 202, Fushou St., Xinzhuang Dist., New Taipei City 242, Taiwan
TEL: +886-2-2996-3202 FAX: +886-2-2996-2017

HONG KONG OFFICE : ANLY ELECTRONICS (HK) LTD.

Flat K, 13/F, Edward Mansion, 141 Prince Edward Road W., Kowloon, Hong Kong
TEL: +852-2397-2505 FAX: +852-2397-6080

CHINA OFFICE : ANLY TECHNOLOGY (WUXI) CO., LTD.

2F, Building A, Plot 1, No. 28, Zhanhong Rd., Xinwu Dist., Wuxi, Jiangsu, P.R.China
TEL: +86-510-85304801-3

MALAYSIA OFFICE : JUSTY ELECTRONICS (M) SDN. BHD.

No.1, Jalan 6/89B, Kawasan Perindustrian Trisegi, Batu 3 1/2 Off Jalan Sungei Besi, 57100 Kuala Lumpur, Malaysia
TEL: +60-3-7983-5758 FAX: +60-3-7981-5052

INDONESIA OFFICE : PT. ANLY ELECTRONICS INDONESIA

Jl. Pangeran Jayakarta 117/B9, Jakarta Pusat, 10730 Indonesia
TEL: +62-21-624-8436 FAX: +62-21-626-1228