Integlex Multicrest™ fire alarm system S508

FIRU004-LCD
LCD REMOTE ANNUNCIATOR

Features

- System control functionality equivalent to FACP
- Downsized and lightweight unit
- 20 letters x 4 lines LCD unit
- 10 status LEDs
- 6 system control switches, ten-key, and arrow keys
- Key lock switch to protect system control switch operation
- Built-in buzzer
- Red color
- Easy installation

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Description

The FIRU004-LCD is a LCD remote annunciator for the Integlex Multicrest™ S508 Fire Alarm Contorol panel. The FIRU004-LCD communicates using a RS-485 connection to the main panel providing common indication of Alarms, Supervisory, Trouble and other system status and control functions. The FIRU004-LCD features a 20x4 LCD display with LED's for Power, Alarm, Supervisory, Trouble, and Silenced conditions. It can be mounted on a 2-gang electrical box or a standard 4" square electrical box. The keypad is only operable when a key-locked security switch is set to the enable position.
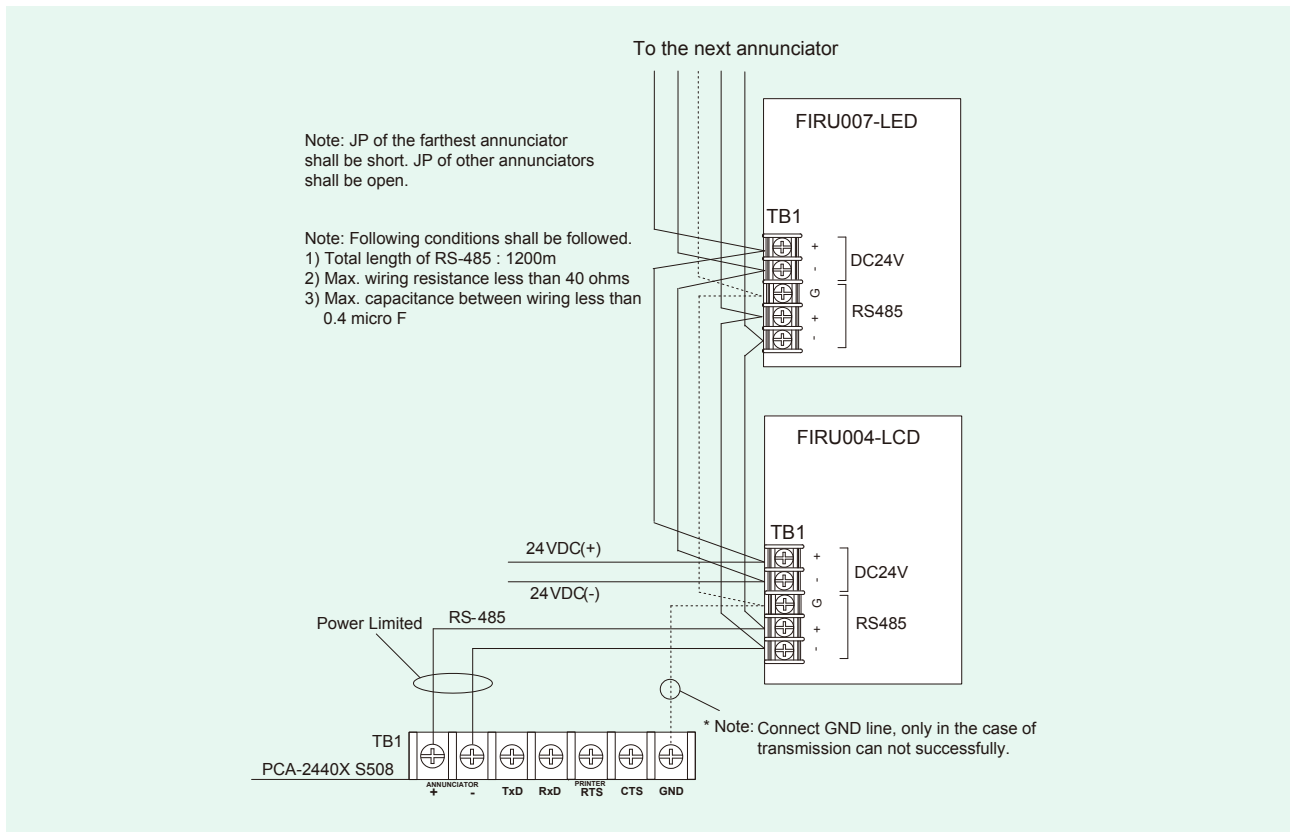
Specifications

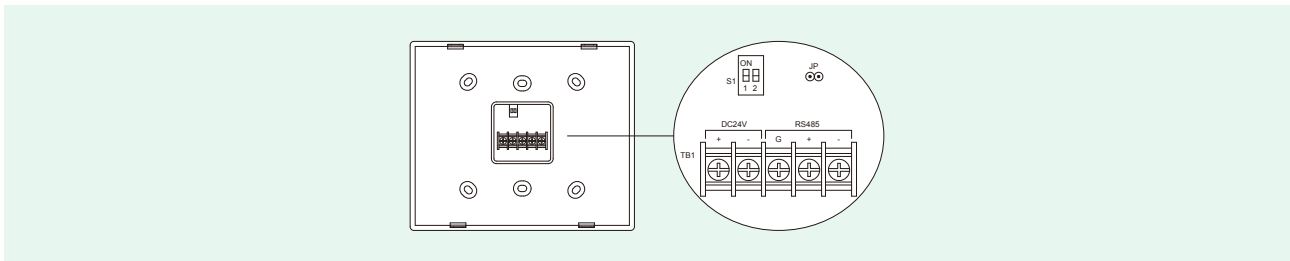| No.	Item	Specification
1	Maximum 24 VDC current	65 mA
2	Ambient operating temperature range	0°C to 49°C (32°F to 120°F)
3	Applicable baud rates of RA-Bus	2400, 4800, and 9600bps
4	Annunciator buss wiring style	NFPA Class B (Style 4)
5	Maximum remote annunciator	31 units
6	Remote annunciator connection	RS-485
7	Enclosure Rating	NEMA – 1 (indoor use only)
8	Dimensions	150mm (5.91 inches) (H)× 178mm (7.01 inches) (W)×38.2mm (1.50 inch) (D)
9	Applicable electrical box for installation	North American 64mm (2-1/2 inches) deep 2-gang box Standard 4 inches square box 38mm (1-1/2 inch) deep box

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Wiring Diagram

The FIRU004-LCD is connected to the S508 using a four wire RS-485 connection. The connection is power limited and supervised. Up to thirty-one (31) remote annunciators can be connected using NFPA Class B (Style 4) wiring.

FIRU004-LCD Class B Wiring Example

To the next annunciator

Note: JP of the farthest annunciator shall be short. JP of other annunciators shall be open.

Note: Following conditions shall be followed.
1) Total length of RS-485 : 1200m
2) Max. wiring resistance less than 40 ohms
3) Max. capacitance between wiring less than 0.4 micro F

FIRU007-LED

TB1
DC24V
RS485

FIRU004-LCD

24VDC(+)
24VDC(-)

Power Limited   RS-485

TB1
DC24V
RS485

TB1
PCA-2440X S508
ANNUNCIATOR + − TxD RxD PRINTER RTS CTS GND

* Note: Connect GND line, only in the case of transmission can not successfully.

Annunciator Address Settings

1) Switch 1 of Dip Switch S1 set on, after that input 24 VDC to TB1.

2) The FIRU004-LCD shows LCD display as follows. Set the assigned number by 0 -9 key. After that, push ENT key.
3) Switch 1 of Dip Switch S1 set off, FIRU004-LCD will proceed to initializing.

NOTICE

Contact