



GE Interlogix

FIRE PRODUCTS

ARITECH

## LON700 2 wire repeaters



- 2 wire connection between fire panel and repeaters
- Up to 1500 metre bus length
- 24 Volt power supply
- Cost effective repeater solutions
- Fire Brigade panels conforming to NEN2535 and SS3654
- Easily installed, simple operation
- FRL700  
4 x 20 character LCD display  
common LED's  
push button control
- FM740  
Synoptic LED driver  
80 (40 zone) led fire & fault  
common LED's  
programmable inputs for control

### Installer friendly

The Aritech range of LON700 repeaters provide easy, cost effective solutions for repeating the status of the FP1200 / FP2000 analogue addressable fire panels. The units connect to the fire panel using a simple two-wire bus, which can be up to 1500 metre in length. Up to 15 repeaters can be connected. The units are connected directly to the FP1200 / FP2000 fire panels using a plug-on LON2000 interface. The units are powered with 24 volt DC.

### User friendly

The FRL700 has a compact, pleasant and user-friendly design allowing the unit to be installed unobtrusively in reception areas, offices, lift lobbies, and such places.

The FM740 can be mounted as a stand-alone PCB behind a synoptic LED display or, in the case of FP700 systems, can be mounted in the FR700 card cage. 84 LED's are easily wired using an 8 x 11 x-y matrix – only 19 wires! Five inputs are provided for common control.

### Dedicated products

#### FRL700 and FBP700

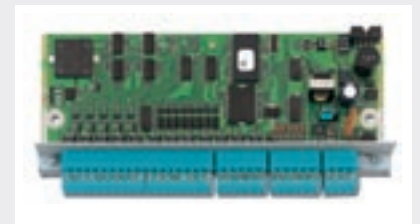
The FRL 700 and FBP700 repeaters are used with the FP1200 / FP2000 series of fire panels. The units must be connected to a LON2000 interface board.

The FRL700 and FBP700 allow alarms to be displayed and scrolled using an EN54 compliant 4 x 20 LCD display. Up to 20 characters of user text is displayed per alarm. While scrolling through the alarms, the latest fire alarm is always displayed. LED's show common fire, fault, disable, sounder status, and power on. A buzzer warns of new conditions. Push buttons allow the control of silence buzzer, silence/sound bells, reset, and led test.

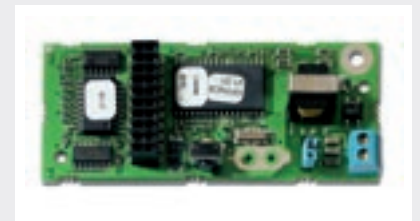
#### FM740

The LED's are operated using a multiplexed x-y matrix. When connected to the FP700 fire panel, forty zones of fire and fault are displayed as well as common fire, fault, disable, sounder on / off, and communication fault. When using the FP1200 / FP2000 fire panel the LED's can be operated in zone, individual sensor, and logic mode. This allows almost limitless control of the LED display via the FP2000 logic programming.

Five inputs are provided for key switch enable / disable, silence buzzer, reset, LED test, and sounder start / stop.



FM700



LON2000



LON700



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**LON700**  
**2 wire repeaters**

→ **Technical Data**

	FRL700 / FBP700	FM740
Dimensions mm (L x W x D)	240x320x60	150x30x60
Weight	1,5 kg	200g
Operating temp °C	-5°C - +40	-5°C - +40
Operating voltage Vdc	10 – 30	19 - 30
<u>Current consumption</u>		
max quiescent mA	100	30
power consumption per LED (mW)		40
<u>Bus Connection</u>		
FP1200/FP2000 (with LON2000)	***	***
FP700 (direct connection)		***
Bus Cable	Cat 5	Cat 5
<u>Total number of repeaters</u>		
FP1200/FP2000	15	15
FP700	***	15

→ **How to order**

FRL700	LCD repeater
FBP70001	Fire brigade panel (NEN2535)
FBP70006	Fire brigade panel Swedish (SS3654)
FBP70007	Fire brigade panel Danish (SS3654)
FBP70005	Fire brigade panel Norwegian (SS3654)
FM740	Synoptic LED driver
LON2000	FTT10 driver for FP1200 / FP2000


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